



**PROTECT, ENHANCE
AND SAVE LIVES**

NOTE

TABLE

of contents

IBA World leader	1
Our values	3
IBA in 2021 at a glance	4
Message from Olivier Legrain	6
Patient care, what makes our heart beat	7
1 Industrial Solutions	9
2 Radiopharma Solutions	15
3 Protontherapy	21
4 Dosimetry	27
A committed company	31

IBA

Word leader

We are a world leader in particle accelerator technology. We design, produce and market innovative solutions for the diagnosis and treatment of cancer and other serious illnesses, and for industrial applications such as the sterilization of medical devices.

Around the world, thousands of hospitals use particle accelerators and dosimetry equipment designed, produced, maintained and upgraded by IBA, in our mission to protect, enhance and save lives.

Our life-driven mission and the open relationships we have built with our customers and partners over time, together with our innovative mindset and our willingness to always strive for technological and scientific progress, make IBA a unique scientific company. We are characterized by a deep human connection that is illustrated by: Life, Science.

Through our four core activities: Industrial Solutions, RadioPharma Solutions, Proton Therapy and Dosimetry, we offer health care professionals the solutions that allow them to take a fully integrated approach to their patient care.

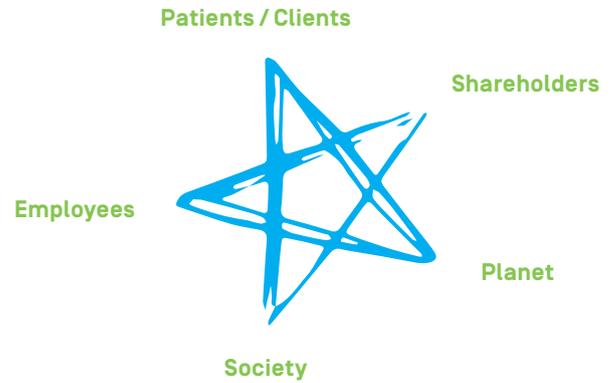
How do we work?

At IBA, we believe in a business model that creates shared and long term value for all our stakeholders.

In constant search for the right balance, we are increasing our market share and the return for our shareholders, improving the quality of life of our customers, patients and employees, and contributing to the well-being of our society, while also maintaining and restoring our planet's health.

And we have integrated this stakeholder approach into our company bylaws.

We believe in business as a force for good.



Why do we do it?

TO PROTECT, ENHANCE AND SAVE LIVES

For over thirty years, IBA has placed the purpose of the company and its project at the heart of its activities, as expressed in our mission to "Protect, Enhance and Save Lives".

All our activities are targeted towards the same objective of making a positive impact on people's health by providing health care professionals with the most effective and accurate solutions for diagnosis and treatment, as well as safe solutions for sterilization. This goal is implemented in different ways that benefit each of the different stakeholders involved.

A FLEXIBLE AND RESILIENT BUSINESS MODEL

In today's global and increasingly volatile economy, we have demonstrated flexibility, adaptability and resilience.

These are fundamental to the continued success of our business activities.

Consistent with emerging technologies, such as proton therapy, the pace of growth can vary from year to year. We were able to offset this variability over the past year by delivering an improved performance in all business units, where each saw strong order intake.

We continue to focus on quality and innovation and, thanks to excellent sales in our businesses (Proton Therapy, Dosimetry, Industrial Solutions and RadioPharma Solutions), we are managing an increasingly larger installed base and are, as a result, focusing more on service and upgrades.



Our customers and their patients:

we develop the most effective technology for our customers so they can provide the best available diagnosis and treatment for their patients.



Our employees:

we offer them quality jobs in a stimulating, friendly environment guided by ethical values.



Our society:

we promote a sustainable entrepreneurial business model that serves society while respecting the limits of our planet.



Our planet:

we continually work to reduce the environmental impact of our products and operations.



Our shareholders:

we show that we are worthy of their trust by being a sound financial investment and acting in accordance with our values.

OUR VALUES

CARE

We care about the well-being of our clients and patients, our employees, our society, our planet and our shareholders.



DARE

Creativity, innovation and passion are mandatory for a company that continually stretches the frontiers of technology. Day after day, we dare to create better results.



SHARE

We share our ideas and expertise with our stakeholders to create better results.

BE FAIR

We implement our mission to protect, enhance and save lives through ethical standards and transparency to remain worthy of our stakeholders' trust.

IBA IN 2021

at a glance

100.000+

patients treated
on IBA PT equipment

600+

accelerators sold

5

continents

4

business
activities

11%

of turnover
invested in R&D

40

countries

1.618

employees

62

PT centers
sold

59

proton therapy
service contracts

3.9

EUR Million
Net Profit

SCORE B-

awarded score B-
in the CDP project

60

nationalities

41%

proton therapy
market share

IBA is a leader in particle beam technology. Our purpose, which inspires and motivates our staff, is clear: to protect, improve and save more lives, every day, while creating value for all our stakeholders.

Olivier Legrain
Chief Executive Officer

WE care



MESSAGE

from Olivier Legrain

In a year where the challenges of the pandemic persisted for the world, I am extremely proud of what IBA has been able to achieve. Our firm commitment to a stakeholder approach and to meeting our ambitious environmental, social and governance (ESG) goals was also recognized with the B-Corp certification we obtained in 2021. However, this certification is not an end in itself. It is only the starting point of a new approach which was already present in our culture but which will now take on a whole new dimension.

Unfortunately, looking at the geopolitical situation in Europe, all of our colleagues and I are deeply saddened by the dramatic developments in Ukraine. We stand by all the people who are affected by this tragedy. IBA's nature and values promotes peace among all human beings, no matter their citizenship, their race, their skin color, their faith or their sexual orientation.

In terms of business, we demonstrated considerable resilience across the group with profitability across all of our four activities: Industrial Solutions, RadioPharma Solutions, Proton Therapy, and Dosimetry.

This performance has been achieved by capitalizing on our market leading offerings, which resulted in a high order intake across the board. The resurgence in activity that we have seen in proton therapy has been particularly notable in the US and Asia and the momentum is providing significant visibility for the years ahead, further bolstered by the increasing, predictable revenue stream from Services.

IBA's strong performance across all business lines has continued to accelerate into 2022. Our pipeline is extremely active, particularly in the US and Asia, and coupled with our growing predictable revenue stream, is providing us with significant visibility for the coming period. Looking ahead, we see the potential for order intake to further accelerate, especially in the Proton Therapy and Sterilization businesses, which would drive growth of our top and bottom line.

We have entered 2022 with an all-time high cash position. This provides us with stability and optionality through which to strengthen the business with a focus on recurring revenues, whilst also strategically investing in emerging growth areas such as FLASH therapy and theranostics, as well as seeking value-enhancing business development opportunities. Moreover, as we move towards long-term sustainable profitability, our stakeholder approach remains front and centre of all our business activities. In line with this approach, the Board of Directors will recommend to the Annual General Meeting the payment of a gross dividend matching the annual bonus paid out to employees as part of the Company's initiative to share the value created with all of its stakeholders.

Olivier Legrain
Chief Executive Officer

PATIENT CARE

what makes our heart beat

By providing innovative and high-quality solutions, IBA aims to support patients throughout their journey. As such, our mission to protect, enhance and save lives takes them from diagnosis with radiopharmaceuticals to treatment by particle beam therapy, and includes sterilization of medical equipment for safer operations and quality control of equipment.

01

Sterilization

Industrial Solutions mainly focuses on developing solutions for applications such as medical device sterilization. Its E-beam and X-Ray solutions enable the medical industry to be significantly more environment-friendly by avoiding toxic chemicals and radioactive materials, and their associated pollutants and hazards.

02

Diagnosis

RadioPharma Solutions develops products that are used for producing isotopes and radiopharmaceuticals, vital for use in cancer diagnosis, as well as in the cardiology and neurology fields. We assist hospitals and radiopharmaceutical product distribution centers by helping them design, build and operate their radiopharmacy units.

03

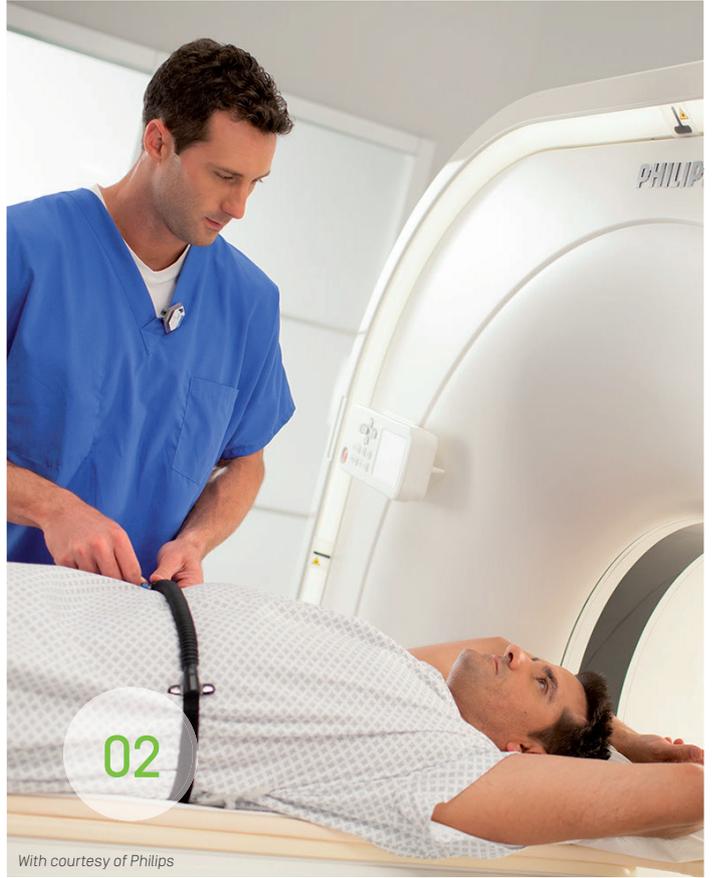
Treatment

IBA is the worldwide technology leader in the field of proton therapy. Proton Therapy is considered the most advanced form of radiotherapy in cancer treatments using ionizing rays. Thanks to the unique properties of protons, tumors can be targeted more accurately. In effect, protons deposit the majority of their energy in a controlled zone, limiting exposure of the surrounding healthy tissues to potentially harmful radiation.

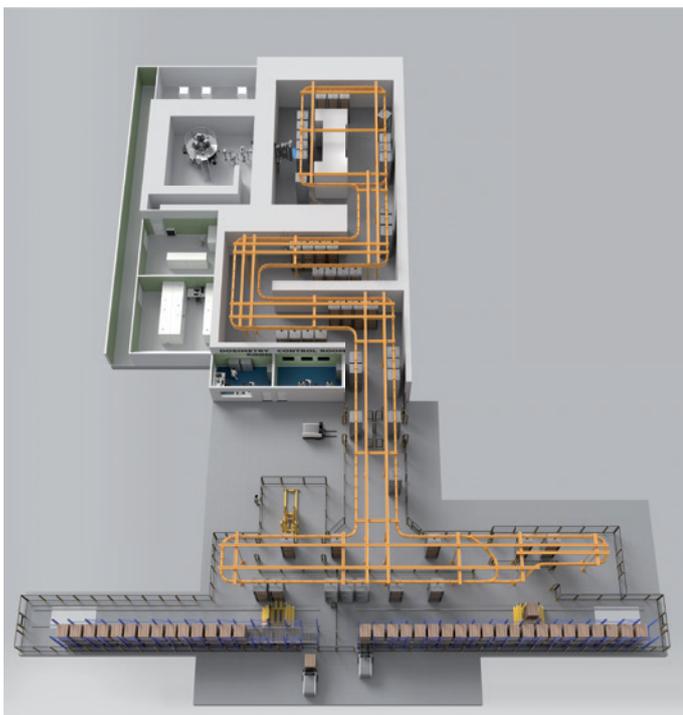
04

Dosimetry

The Dosimetry business offers hospitals a comprehensive range of Quality Assurance tools and software, for example, for the calibration and control of their radiotherapy and radiology equipment. This technology is crucial to ensure that the prescribed dose is delivered within a precisely defined area of the patient's body. Precision and control are vital to patient safety and proper dose administration.



1 | INDUSTRIAL SOLUTIONS



Protect, enhance and save lives by contributing to more sustainable ionisation solutions for **MEDICAL DEVICE STERILIZATION**

IBA Industrial is the world leader in electron-based irradiation solutions for industrial applications. E-beam and X-ray irradiation can be used in a wide range of applications, like food irradiation or polymer cross-linking. However, IBA Industrial is more than ever focused on the market of medical devices sterilization. Today, this market is at a very favorable turning point, mainly due to an increasing scrutiny and scarcity of the two dominant technologies: Gamma and ethylene oxide.

After a slower 2020 due to COVID, which caused logistical issues and a decrease in volumes of regular health care and surgery, the volumes of devices to be sterilized is now rebounding fast, and adding to new products needed

for the research and production of vaccines, such as bio-reactors. These events led to an increased pressure on the sterilization market in terms of lead-time and costs at the end of 2021. This tense situation is foreseen to continue until 2025.

To capture this growing market, IBA Industrial has developed a new portfolio of services and of end-to-end solutions powered by the iconic Rhodotron®. These solutions allow in-house customers or contract sterilizers to sterilize medical devices either by E-beam in boxes or X-ray in pallets, or both, and offer a readily available and green alternative to gases such as ethylene oxide, and nuclear materials such as Cobalt-60.



Solution powered by iconic Rhodotron® | ONE machine, MANY possibilities

MAKING OUR SOLUTIONS MORE ECO-RESPONSIBLE: A MISSION THAT DRIVES US EVERY DAY

We already know that compared to other chemical technologies, our electrically powered accelerator is the most environmentally friendly option. And yet, we are constantly pushing our ambition further.

We are now deploying more resources and investigating further to ensure that the entire solution proposed is part of a more eco-responsible approach.

Coupled with the latest technologies in terms of green energy production, increased efficiency of the ionisation process, recirculation the lost calories, numerical modelling, digitalization, and product handling developed for the logistics industry, irradiation can be optimized to reduce the total ecological footprint of the sterilization industry compared to other established technologies.

A NEW EXPERIENCE, A JOURNEY WE MAKE TOGETHER, A RELATIONSHIP WE BUILD FOR LIFE: BEYOND™

Initially focused on the development of performant electron accelerators, IBA Industrial is now focusing on developing a wide range of services and products to serve the irradiation industry. Along with the iconic Rhodotron®, prospects and customers are now accompanied from their first idea to the operation of an efficient, profitable and sustainable ionisation facility. This customer experience is named BEYOND™.

In the BEYOND™ experience, customers can now rely on digital tools to model and optimize their product design, their future process, and model their center's performance from day 1. As an example, IBA and TRAD, a French company specialized in radiation modelling, are collaborating to bring numerical simulation to a wide range of medical device manufacturers and service centers. Such tools can potentially save months of product testing and tons of CO₂ during production. Customers can also test their products while being trained at our partner site Aerial in Strasbourg, France, which is equipped with a Rhodotron® and all ionisation modalities. In addition, all prospects and customers are welcome to experience and be trained on irradiation in our new academy and user experience center, the INDUX, based in Louvain-la-Neuve, Belgium.

An experience we live together through the whole journey



BEYOND™, 4 END-TO-END SOLUTIONS THAT REFLECT CUSTOMERS' AMBITION

Solutions powered by iconic RHODOTRON®.

BE EFFICIENT

The solution that takes advantage of the Rhodotron® power and high-end conveying solutions to treat large volumes with the highest efficiency.

BE SOFT

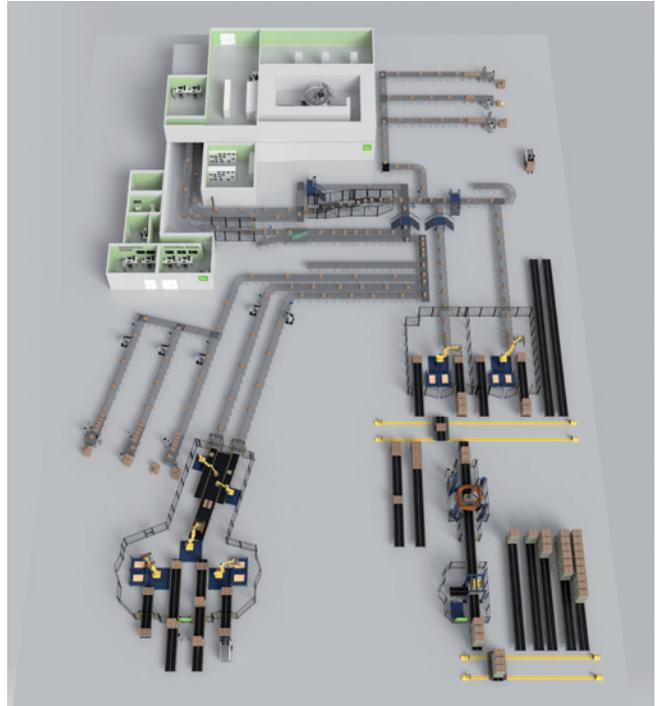
The ideal solution to process fragile and high-value products that require being handled with care.

BE-WIDE

The unique solution to irradiate pallets with X-rays with the guarantee of reaching an optimal Dose Uniformity Ratio.

BE-FLEX

The solution for multi-purpose centers that provides the advantage of having a unique Rhodotron® to produce either E-beam or X-rays, with different energies in one or several treatment rooms.



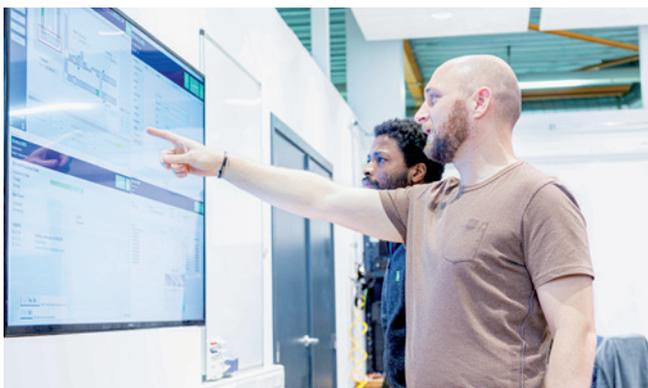
Watch the video: Rigging of the Rhodotron® high-energy.



Discover what the INDUX Center can bring you!

INDUX CENTER - PRACTICE MAKES PERFECT

This center of excellence is a key element in the continuous support we provide to our customers. At any stage of the journey, the center welcomes trainees to offer them an immersive experience in a real industry environment. We believe that customers benefit from being comfortable with their equipment and that this contributes to their center's uptime.



X-RAY IRRADIATION IS RECOGNIZED AS THE SAFEST TECHNOLOGY TO HANDLE THE GROWTH OF THE MEDICAL DEVICE INDUSTRY

The medical devices industry has a wide range of products that enable patient diagnosis and treatment. Within this large multi-segment industry, Disposal Medical Devices (DMD) include all single-use devices e.g. surgical gloves, dialysis tubes, diabetes patches, orthopedic implants, syringes, etc.

In addition to these products and volumes, which grow organically with the population, the COVID crisis has accelerated the growth of new industries related to cell therapies, as well as vaccine research and production: the so-called bio-processing business. With the reopening of regular care, these volumes are adding to requirements for significant sterilization capacities from 2022. Interestingly, the bio-processor volumes are foreseen to keep growing despite the diminution of the pressure of COVID.

Today, Disposal Medical Devices and Bio-Processor sterilization has a year-on-year growth of 7 to 10% and relies for ~85% of its volume on two modalities: ethylene oxide (EtO) (~50%) and Gamma (~35%). Gamma is under supply pressure due to the closure of several nuclear reactors all around the world, resulting in a significant shortage and a strong increase in lead times and prices. Ethylene oxide adversely affected by toxicity issues and several site closures due to the detection of residues.

These issues have led to a bottleneck in the sterilization market, and have resulted in significant pressure on the supply chain of medical manufacturers. Electron beam and X-ray irradiation offer competitive alternatives to EtO and Gamma irradiation. Both techniques are electricity based and do not present major regulation issues.

THE RISE OF X-RAY

Since the 90s, IBA is the pioneer of X-ray irradiation and until 2020 only one reference site in Switzerland was operational in the world. Due to the events mentioned above, X-ray technology is now seeing a faster acceptance and utilization in all regions of the world. A second industrial site was commissioned in the Netherlands in 2021, and more than 10 new sites will be available to customers from 2022-2023. X-ray is recognized by major sterilizers and manufacturers as the safest technology to handle the volume growth, both for businesses and for patients.

Thanks to its ambitious R&D program, which was started in 2010, the Rhodotron® based X-ray solutions are recognized as the most performant and sustainable product for X-ray sterilization by all actors in the field. An IBA X-ray facility can treat up to 100.000 pallets and run 24/7 with a limited number of operators and only a few days of servicing per year. Thanks to strong digitalization and sustainability programs, this performance will continue to advance and lead the market in the coming years.



Rhodotron®

AN EVEN FASTER GROWTH IN AMERICA AND ASIA

Until recently, reference sites for X-ray and electron beam industrial sterilization were mostly concentrated in central Europe. Today, IBA Industrial sees a strong deployment of the technology in all regions of the world, with remarkable activity in the United States, Southeast Asia, and China. IBA Industrial is currently deploying a stronger regionalization plan in those areas where it is already present, including adding resources for installations and services, hubs for parts logistics, and 3rd party suppliers. Very soon, customers around the world will enjoy the same BEYOND™ experience and journey wherever they are located, and will be able to interact with experts of their language and culture.

In 2012, we purchased an IBA accelerator for our production center based in Wuxi, Jiangsu Province, China. By using this high-tech sterilization equipment, the whole team of Wuxi Nest has been working relentlessly to sterilize millions of Covid PCR tests. Through our own efforts, and thanks to the stability and reliability of the Rhodotron®, we are proud to say we have contributed to the fight against this pandemic.

Mr. Yang WD
Chief Executive Officer Wuxi Nest



2 | RADIOPHARMA SOLUTIONS



Cyclone®KIUBE

Protect, enhance and save lives by contributing to **MORE ACCURATE DIAGNOSIS**

Based on longstanding expertise, IBA RadioPharma Solutions supports hospitals and radiopharmaceutical distribution centers in two ways: with their in-house radioisotope production; and by providing global solutions, from project design to the operation of their facility.

In addition to high-quality technology production equipment (cyclotron solutions, targetry systems, synthesizers, control systems...), IBA has developed in-depth experience in setting up cGMP radiopharmaceutical production centers.

EARLY DETECTION SUBSTANTIALLY INCREASES THE CHANCES OF SURVIVAL

3 million undiagnosed cases of childhood cancer.

A modeling study published in *The Lancet Oncology*¹ projected cancer incidence for 200 countries worldwide and suggested that the number of undiagnosed cases of childhood cancer could account for more than half of the total in Africa, south-central Asia and the islands of the Pacific. In North America and Europe, by contrast, only 3% of cases are undiagnosed. If there is no improvement, the authors of the study estimated that more than 3 million new cases of childhood cancer would be missed between 2015 and 2030.

1. Zachary J Ward, MPH, Jennifer M Yeh, PhD, Nickhill Bhakta, MD, A Lindsay Frazier, MD, Prof Rifat Atun, FRCP, Estimating the total incidence of global childhood cancer: a simulation-based analysis. 26 February 2019. [https://www.thelancet.com/journals/lanonc/article/PIIS1470-2045\(18\)30909-4/fulltext](https://www.thelancet.com/journals/lanonc/article/PIIS1470-2045(18)30909-4/fulltext)



IntegraLab®

IMPROVED DIAGNOSIS ACCESS

World Health Organization¹ (WHO) figures from 2021 indicate that 10 million people die from cancer each year, and yet patients' lives and chances of survival are significantly improved if the cancer is detected early. In fact, a cancer diagnosed at an earlier stage is more likely to be treated successfully, resulting in a higher likelihood of survival, reduction of morbidity and lower cost of care. Cancer Research UK² confirmed that the average cancer survival rate for the 8 most common cancers amongst patients with stage 1 cancer is 90%. However, the survival rate plummets to just 5% when the patient is diagnosed as having stage 4 cancer.

In light of these findings, and in keeping with our mission to protect, enhance and save lives, our RadioPharma Solutions division is committed to making cancer diagnosis more accessible around the world by working on several levels:

1. By reducing the size of the radiopharmacy where the radiopharmaceutical tracers for cancer diagnosis are produced. The IntegralLab[®]ONE solution is the most compact radiopharmacy solution on the market, facilitating installation and reducing the building cost.
2. By increasing the cyclotron production capacity for the production of isotopes in the radioactive tracers, IBA's Cyclone[®]KIUBE cyclotron offers the highest production capacity enabling increased diagnostic capabilities.
3. By offering adjustable production solutions, the Cyclone[®]KIUBE produces the widest range of radioisotopes, enabling it to produce fluorodeoxyglucose (FDG, the most commonly used radiopharmaceutical for cancer diagnosis), Gallium-68 for the diagnosis of neuroendocrine tumors, and Copper-64 for a more accurate diagnosis of prostate cancer.



Watch the video: IBA Cyclone[®]KEY - F-18 access granted!



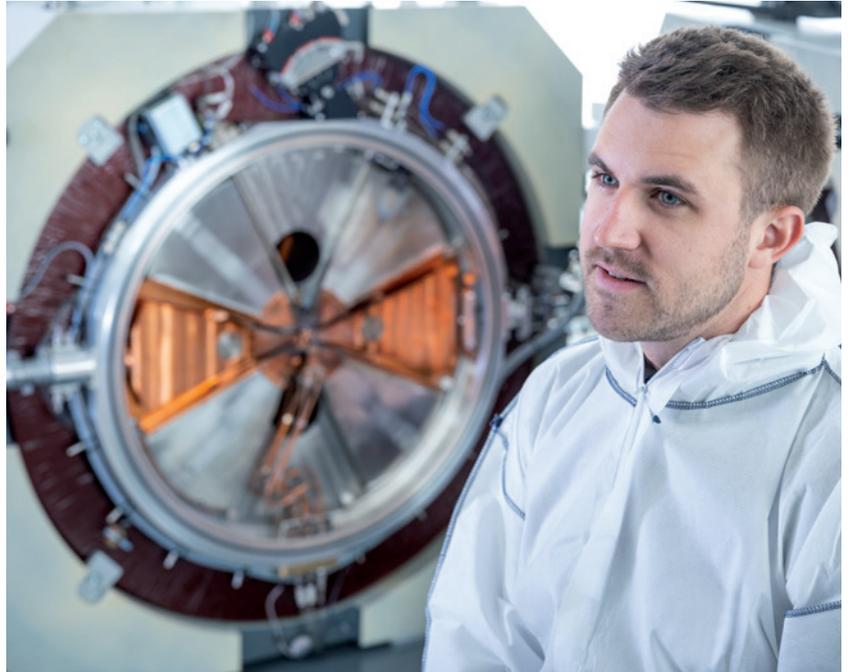
Cyclone[®]KEY

Cyclone[®]KEY is giving the opportunity to anyone, anywhere in the world to get access to PET cyclotron technology and PET imaging. It's also very interesting for inhouse production because the local hospital will not depend on the big suppliers of radiopharmaceuticals.

Muhammed Sarfaraz Mirza
Business Line Manager, Attieh Medico – Saudi Arabia

1. <https://gco.iarc.fr/today/data/factsheets/cancers/39-All-cancers-fact-sheet.pdf>
2. <https://www.cancerresearchuk.org/about-cancer/cancer-symptoms/why-is-early-diagnosis-important>

The launch of the new Cyclone®KEY in January 2022 enables small and medium sized hospitals to produce their own radiopharmaceutical products in-house, whilst providing more widespread global access to diagnostic solutions in oncology, neurology and cardiology. Even though Positron Emission Tomography (PET) imaging is well established for cancer diagnosis in many countries, there are still regions in the world with limited access to this diagnostic technology. To address these needs, IBA is making PET imaging more accessible through this new low-energy technology, comprising proton acceleration up to 9.2 megaelectron volts (MeV). The Cyclone®KEY is therefore more compact, user-friendly, cost-effective and easier to fit into existing hospital systems.



Cyclone®KEY

Cardiology Diagnostic

A PREFERRED MODALITY FOR CARDIAC IMAGING

In cardiology, a Positron Emission Tomography (PET) scan of the heart is a non-invasive nuclear imaging test using radioactive tracers. It is used to diagnose coronary artery disease and damage following a heart attack. PET scans are also used to define the best therapy treatment.

Major technological breakthroughs were achieved in the diagnosis of coronary heart disease through PET. IBA's 70MeV cyclotron enables the production of Rubidium-82, while the Cyclone®KIUBE produces ¹³N-Ammonia — both are used for non-invasive myocardial perfusion tests.

Cardiac PET imaging can be very useful for the management of many patients with suspected or known heart disease. Cardiac PET imaging is increasingly used as new centers are established and clinical guidelines incorporate cardiac PET imaging into the management algorithms.

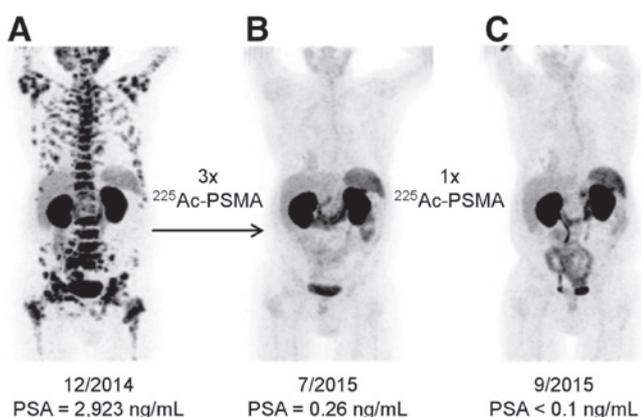
Terrence D. Ruddy
MD, FRCPC, FACC, FAHA, FCCS Professor of Medicine and Radiology, University of Ottawa, Director of Nuclear Cardiology, University of Ottawa Heart Institute

A COMBINATION OF DIAGNOSIS AND THERAPY: THERANOSTICS

The past two decades have brought a sea change in the way many types of cancer are treated. Targeted therapies shut down specific proteins in cancer cells that help them grow, divide, and spread.

Researchers are developing a new class of drugs called theranostics, which deliver radiation therapy directly and specifically to cancer cells. Recent years have seen an explosion of research and clinical trials testing new radiopharmaceuticals.

Depending on the type of radioactive compound used, the resulting energy can penetrate the cell bound to the radiopharmaceutical as well as about 10 to 30 cells surrounding that cell. This increases the number of cancer cells that can be killed with a single radiopharmaceutical molecule.



This theranostic principle has acquired greater importance in personalized medicine in recent years, particularly in oncology, where advanced tumors can potentially be treated effectively with low side effects.



IBA SUPPORTS THE ONCIDIUM FOUNDATION

The Oncidium foundation focuses on raising awareness about radiotheranostics as an alternative to current cancer therapy and providing support to accelerate global access. Priorities include promoting awareness among patients and physicians, investing in research and scholarships, supporting and financing the development of new radiopharmaceuticals for therapy, as well as supporting clinical best practice and improving access to patients.

Because the PSMA PET scan has proven to be more effective in locating these tumors, it should become the new standard of care for men who have prostate cancer, for initial staging or localization of recurrence.

Jeremie Calais
Director, Clinical Research Program
of the UCLA Nuclear Medicine and
Theranostics Division

Cyclone®IKON

NEW THERANOSTIC RADIOPHARMACEUTICALS PRODUCTION SOLUTIONS

In June 2021, IBA introduced its new high energy and high-capacity cyclotron, the Cyclone®IKON, which offers the largest energy spectrum for PET and SPECT isotopes from 13 MeV to 30 MeV.

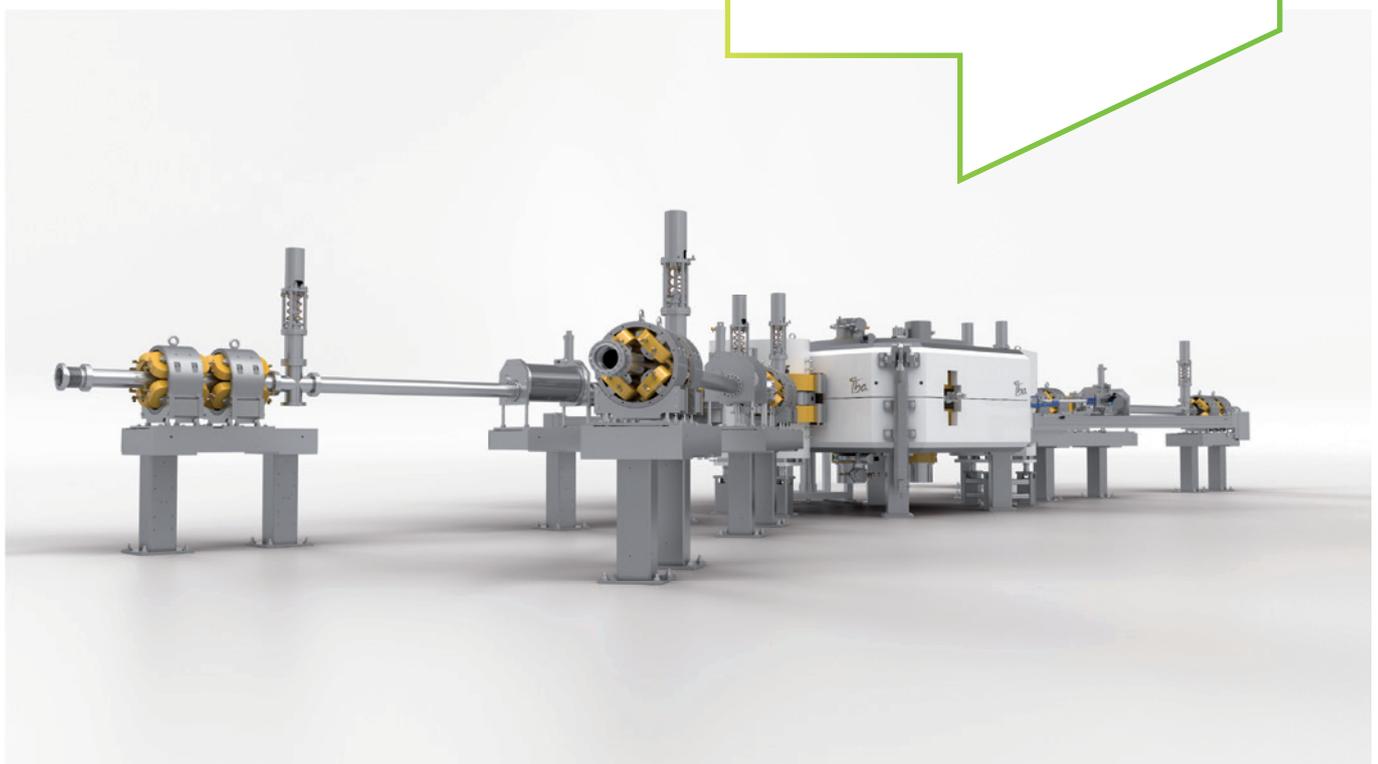
Currently, there are still a large number of patients for whom cancer treatment fails, despite major scientific advances. Nuclear medicine is emerging as a relevant modality to address this gap by extending overall survival and quality of life for cancer patients. Theranostics and targeted therapies allow the administration of radiation directly to the targeted cells, with minimal toxic side effects to surrounding healthy cells, unlike traditional modalities. The growing number of clinical trials (200+) and ongoing increase of new radiotherapeutic molecule developments support the great potential of radioligand therapy.

To enable this revolution, we must enhance the availability of novel isotopes and boost their production capacity. The cyclotron must play its part as a reliable and sustainable production source of isotopes for the radiopharmaceutical industry. This is particularly the case for Germanium-68 (used for Germanium-68/Gallium-68 generators), Iodine-123 and other radioisotopes such as Copper-64, for which the demand has been consistently expanding year after year.

IBA has been a trusted partner of Curium for a long time. We selected IBA for its globally recognized expertise and due to the outstanding capabilities and reliability of the Cyclotron.

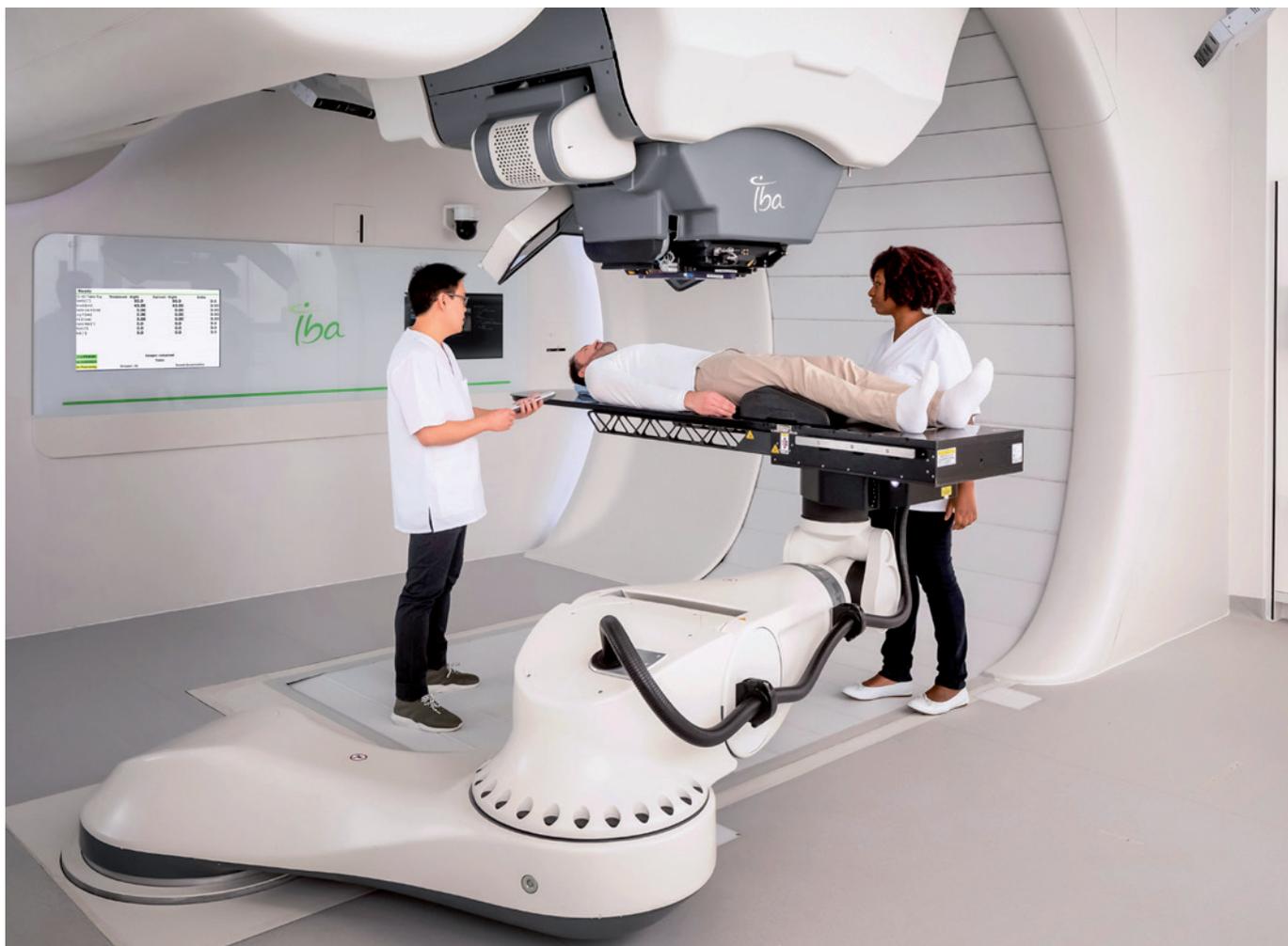
Renaud Dehareng,
CEO of Curium Pharma

Watch the video:
IBA new Cyclone®IKON.



Cyclone®IKON

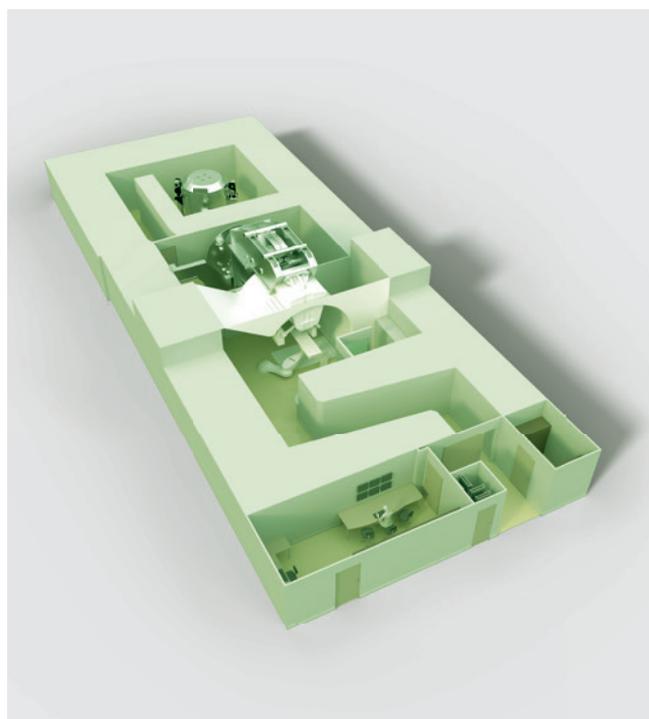
3 | PROTON THERAPY



Proteus®ONE



Proteus®PLUS



Proteus®ONE

Protect, enhance and save lives by contributing to **MORE TARGETED TREATMENT**

Proton therapy is considered the most advanced currently available therapy and a valuable treatment modality for thousands of women, men and children who are diagnosed with cancer.

Proton therapy aims to destroy cancer cells by delivering proton beams to a target tumor. Protons release the maximum energy within the tumor target area while limiting the radiation to the surrounding



Watch the story
of Juliann.



Hi, my name is Juliann and I am 9 years old. A year ago, I was diagnosed with the recurrence of a rare tumor of the spinal cord in my lower back, which could not be operated on due to the high risk of neurological consequences. My doctor then suggested treating me with proton therapy, as it would better preserve the good tissue around the tumors, which radiotherapy would not have done. I did 30 sessions during 6 weeks in Leuven. At my last session, the 30th, I rang a bell. The proton therapy made my tumors shrink and I have been walking better ever since. From the bottom of my heart, I thank this huge machine and the whole team that took such good care of me.

Juliann,
9 year old patient

healthy tissues. This is not the case for photon radiotherapy, the most common type of radiation currently used in cancer therapy.

Moreover, proton therapy has the potential to enable dose escalation to the targeted tumor, without increasing the risk of side effects or long-term complications. As a consequence, this may improve the outcome of the treatment and enhance patient's quality of life¹.

250.000 patients

250,000 patients treated with PT worldwide
at the end of 2022 (including 65,000 treated
by non-branded systems)

One of the initiatives we have recently been supporting is called "ProtectTrial". ProtectTrial is a large-scale, multi-institutional, randomized controlled clinical trial in conjunction with 19 industry and academic partners. The consortium conducts trials in esophageal cancer with the aim of improving access to proton therapy for patients, whilst validating a model-based approach for the use of proton therapy treatment in cancer more broadly. The research project comprises 12 proton therapy centers across eight countries and is coordinated by Professor Cai Grau from Aarhus University in Denmark. IBA offers its expertise within proton therapy solutions, with six of its centers involved in the trial. A total of approximately 400 patients are expected to be included in the randomized trial with study completion planned for 2027.

It is hoped that the trial will produce high-quality data, which will contribute towards the creation of European guidelines on the use of proton therapy for esophageal cancer.

More information: <https://protecttrial.eu/>

IBA is the world leader in proton therapy

IBA is the world leader in proton therapy with IBA customers having treated more than half of all the proton therapy patients treated on commercial systems.

The company has been a leader in proton therapy development for the last 30 years and has built the largest user community worldwide. IBA offers maximum uptime rates and can install a system in less than 12 months.

IBA PROTON THERAPY CENTERS AT END 2021 - LARGEST NETWORK & EXPERIENCE

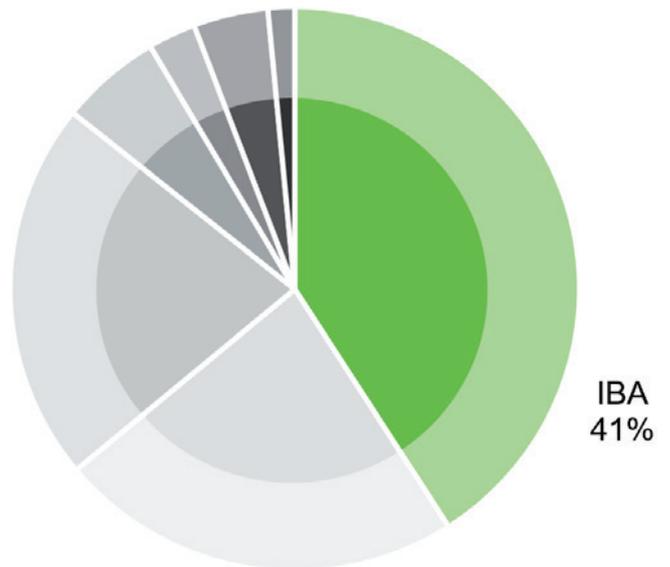
IBA continued to strengthen our market leadership in 2021. Of the four new U.S. proton therapy centers added, three were IBA customers. One of these new customers is New Mexico Cancer, one of the first free-standing cancer centers expanding into proton therapy.

Another proton therapy key market is China. At the end of 2021, seven proton therapy centers chose IBA to supply their proton therapy facility. Besides the direct sales in the country, IBA made a strategic licensing agreement with China General Nuclear Power Group to promote proton therapy and collaborated on sales activities in the country. This partnership showed positive first results in 2021.

32 Proteus® PLUS Centers

30 Proteus® ONE Centers

MARKET SHARE IN ROOMS (END 2021)



The delivery of the Proteus®ONE will allow New Mexico Cancer Center to provide access to the people of New Mexico to the most advanced solution in fighting cancer integrated into other modalities of care, at an affordable cost and with the convenience of staying close to home.

Barbara McAneny,
Chief Executive Officer of New Mexico Cancer Center



Discover the New Mexico Cancer Center on our YouTube channel by scanning the QR code.

Proteus®ONE and Proteus®PLUS are brand names of Proteus 235.

Campus, the most knowledgeable proton therapy community

WHAT IS CAMPUS?

At IBA, we have been fully committed to Proton Therapy for more than 30 years. We have come a long way to get where we are today: at the top of the proton therapy market.

Yet, IBA could never have achieved this on our own. Everything we have accomplished is the result of the strong relationships we have built with our unique community. Because turning our world into one that is cancer-free requires a great deal of collaboration, knowledge sharing and joint research.

Campus aims to bring this collaboration to the next level. It's a place where experts, academia, researchers and entrepreneurs from all over the world have the opportunity to share knowledge with each other, and find the information they need at every stage of their proton therapy journey.

Campus is a tangible community, which meets and interacts in real life. The Campus platform is also a single repository centralizing a large amount of accumulated knowledge and expertise.

The campus community is built on 3 pillars:

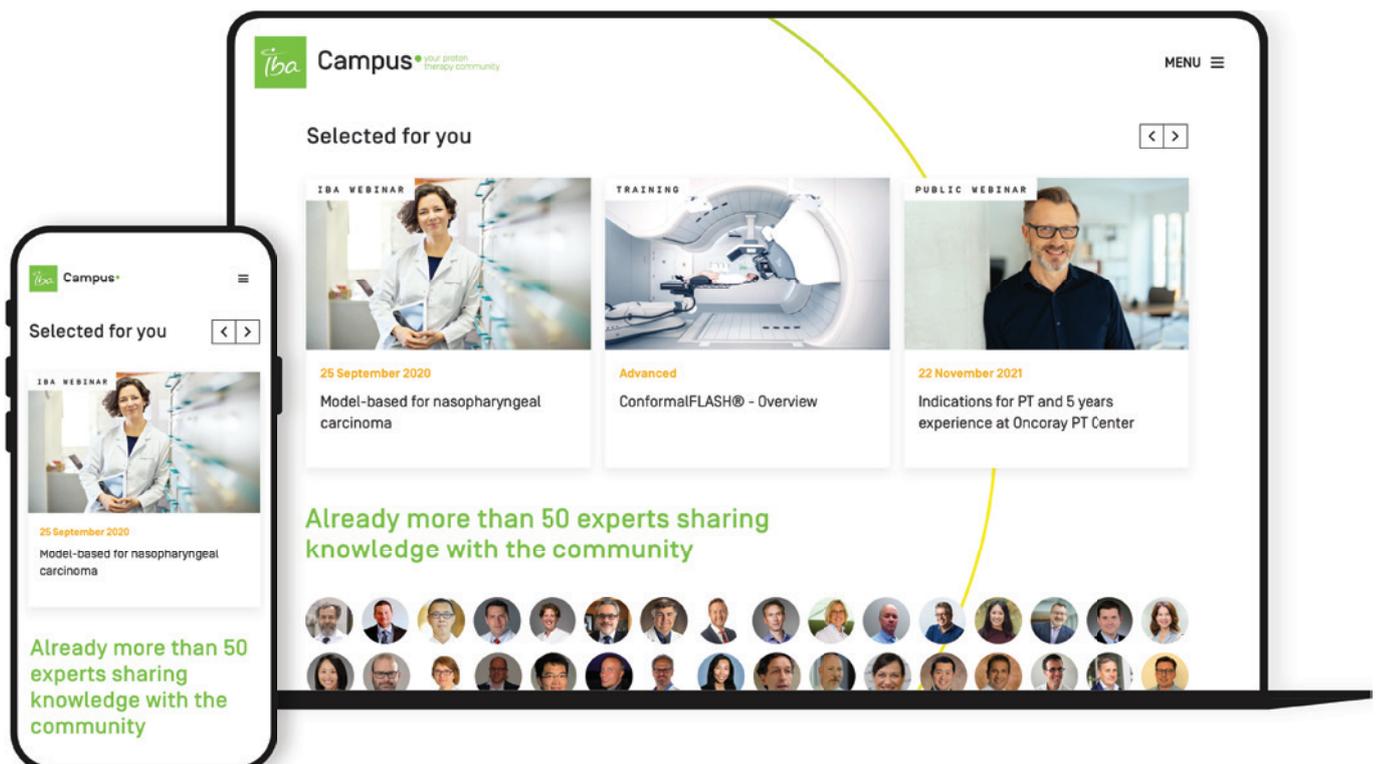
- **Learn** to Expand your skills
- **Share** by Collaborating with your peers
- **Excel** to Maximize your center's performance

CAMPUS COMMUNITY

Whether you are a newcomer willing to accelerate your learning curve, an experienced user looking to develop new expertise, or the most eminent expert keen on sharing your knowledge or expanding your research, **Campus is your network** to reach and remain at the leading edge of proton therapy and provide the best care to your patients.



Join the CAMPUS community now:
campus-iba.com



Proteus: connecting Life & Science

UNRIVALLED EXPERTISE

IBA has demonstrated its technological leadership in the development of tools, techniques and product features in proton therapy. Understanding the challenges of clinical treatment, IBA designed the system and features to optimize the overall treatment quality of each specific proton therapy case. With IBA technology, users will have the flexibility to customize treatment plans and maximize the clinical benefits of proton therapy.

DESIGNED BY USERS, FOR USERS

Proteus® has been inspired by everyday clinical practice. Through day-to-day interactions with the community, IBA is perfectly positioned to understand, and invest in, users' needs. These investments are directly translated into benefits for patients. The Proteus® design enhances the patient experience by fostering a soothing environment while making the medical staff's daily practice safe and easier.

Our team is constantly striving to provide the latest and most innovative tools and resources, and we hope through this research to learn more about how this technology may help provide treatment more quickly and effectively.

James M. Metz, MD, Henry K. Pancoast Professor of Radiation Oncology and Chair of the Department of Radiation Oncology at the Perelman School of Medicine at the University of Pennsylvania.



CONFORMALFLASH®¹:

FLASH is a key research area that may dramatically improve the clinical relevance of proton therapy for patients around the world²⁻³. IBA is uniquely positioned to drive the development of FLASH irradiation, the next major innovation expected in radiation therapy.

IBA is investing heavily in developing a novel technique using the Bragg peak called **ConformalFLASH®**. IBA's strategy to take FLASH today from research to a clinical version of **ConformalFLASH®** will take into consideration the radiobiology, clinical safety, and future streamlined workflow for FLASH.

ConformalFLASH® means:

- It combines the benefit of FLASH with the benefit of the proton Bragg peak.
- Dose delivery in 1-2 beams, no need for multi-field delivery, dose-splitting and potentially losing the FLASH effect.
- Improved conformality due to reduced entrance and exit dose.
- 3-4x more patients in ConformalFLASH than shoot-through FLASH, through more eligible indications like abdominal cancers⁴.
- Improved safety due to no danger of Bragg peak ending inside the patient and reduction of in-room shielding requirements.

As the industry leader, IBA is collaborating with several leading proton therapy centers in their pioneering research work to better understand the mechanisms of FLASH irradiation. In 2021, IBA and the University of Pennsylvania partnered to advance research of ConformalFLASH® therapy. It is a multi-year research agreement to develop, test and validate ConformalFLASH® at the Roberts Proton Therapy Center.



Proteus® PLUS

1. ConformalFLASH® is a registered brand of IBA's Proton FLASH irradiation solution currently under research and development phase.
2. Diffenderfer E. et Al. ; The Current State of Pre-Clinical Proton FLASH Radiation and Future Directions; Medical Physics; 2021
3. Bourhis J. et Al. ; Clinical translation of FLASH radiotherapy, Why and how?. Radiotherapy and Oncology; 2019
4. Source : Internal IBA Models



DYNAMICARC¹

IBA is developing a novel proton therapy delivery technique called DynamicARC[®]. This technique allows dynamic spot-scanning irradiation and energy switching while the gantry is rotating. It offers the advantages of Pencil Beam Scanning (PBS), the advanced characteristic of the Bragg peak with no exit dose, and the conformal delivery.

Proton arc therapy has the possibility to further improve the quality of treatment. This technological evolution will offer patients numerous advantages:

- Potentially enhanced dose conformity at the tumor level and a potential reduction of the total dose received by the patient².
- Simplified treatment planning and delivery without performing multiple field adjustments.
- Less time in the treatment room and a maximized patient throughput thanks to an optimized workflow³.

Today, the IBA Proteus[®] system is the only PT system meeting all the needs in terms of beam characteristics for DynamicARC[®]: fast energy-layer switching time, intrinsic small beam, fast scanning, and the ability to modulate dose rate within a layer.



Proteus[®]ONE



MOTION MANAGEMENT

Motion management tools are needed to ensure accurate treatment delivery by managing the challenges caused by tumor motion. With motion management, a proton therapy clinic will be able to treat more patients with more confidence.

Due to the proximity to critical structures and surrounding healthy tissues, managing tumor motion with radiation therapy is critical. Breath hold, gating, or other motion-mitigation techniques or intrafractional tracking may be necessary when delivering proton therapy.

It is estimated that around 20% of patients who are indicated for radiation treatment can benefit from proton therapy⁴. In 25% of these eligible patients, tumor motion can occur during treatment delivery. This is the reason why IBA is dedicated to offering an integrated solution for motion management that meets the medical needs.

SUPPORT & SERVICES

With the largest proton therapy installed base, IBA has built a strong and reliable service team to guarantee the availability of its proton therapy technology and consistently achieve system uptime. IBA provides support teams, parts, and processes to provide full system operation and maintenance services while guaranteeing the highest performance standards on our state-of-the-art technology.

At IBA, we know that in order to start, maintain and grow a proton therapy center, cancer centers need an experienced partner who is there for them every step of the way. Our services provide the necessary expertise, confidence, training and support to make sure your proton therapy center is successful from the very beginning.



Watch the video: Shaping the future of proton therapy.

A real partnership every step of the way. We are not only a provider, we are a partner.

Marc Van Den Burght,
Chief Operation Officer

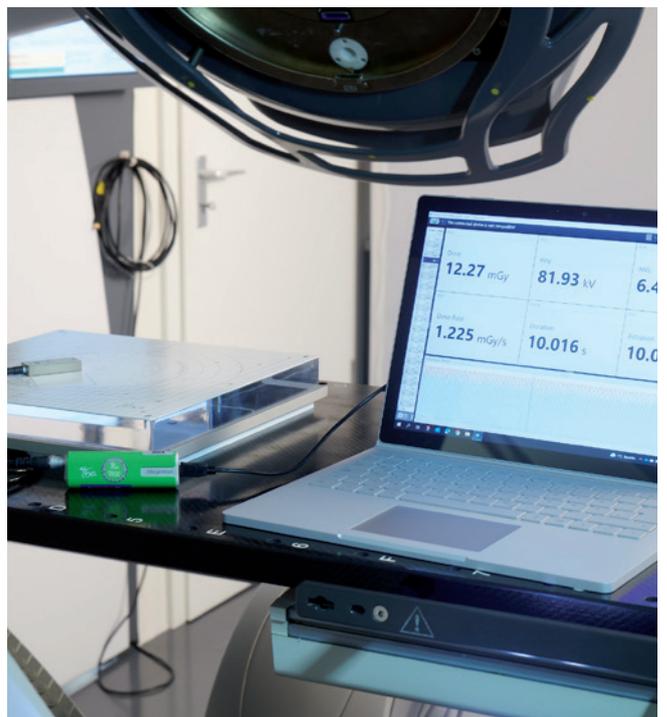
1. DynamicARC[®] is a registered brand of IBA's Proton ARC irradiation solution currently under development phase.
2. Ding et al, International Journal of Radiation Oncology Biology Physics 2016 (<http://dx.doi.org/10.1016/j.ijrobp.2016.08.049>)
3. Data on file
4. Extrapolation with Globocan worldwide cancer incidence applied to the Dutch Model.

4 | DOSIMETRY

Discover all IBA Dosimetry Solutions & visit the new Interactive Clinic.



myQA*SRS
IBA



MagicMax

Protect, enhance and save lives by enabling **INDEPENDENT QUALITY ASSURANCE**

Our priority is to ensure that patients receive a safe, accurate and reliable diagnosis and treatment.

In medical imaging and radiotherapy, radiation must be used with great caution and precision.

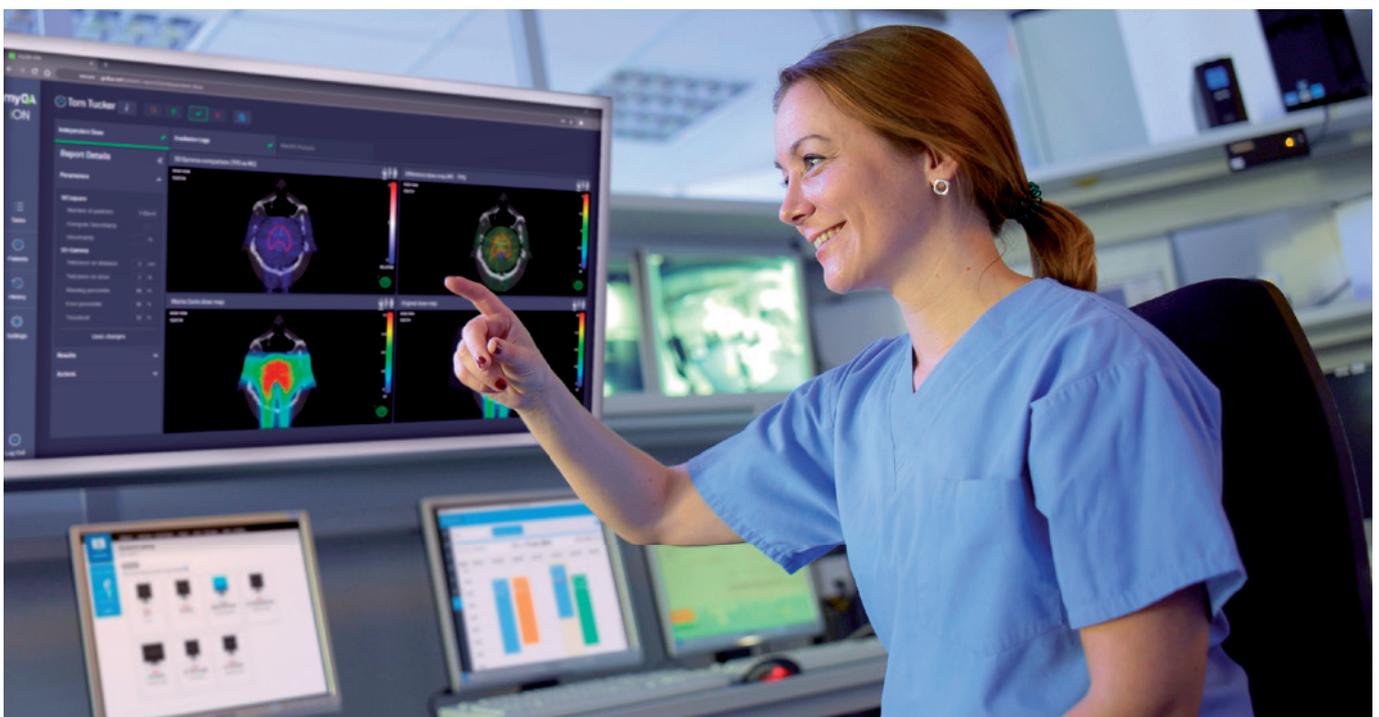
The prescribed dose (expressed in Gray [Gy]) must be rigorously respected, both in terms of intensity and location. The life of patients, their safety and the success of their treatment depend upon it.

In medical imaging, the objective is to reduce patient exposure to radiation, while maintaining good image quality.

In radiotherapy and proton therapy, the goal is to expose tumor masses to a high dose of cancer-cell destructive rays, with millimeter precision, while reducing the exposure to healthy tissue as much as possible.

In both cases, the accuracy of the equipment and the control of the dose are of paramount importance. To achieve this, dosimetry instruments and software are needed to calibrate and control the diagnostic and therapeutic equipment.

This is the responsibility of our Dosimetry business, which has developed a range of tools to calibrate radiation equipment and verify the dose of ionizing radiation that the patient absorbs during medical imaging and radiotherapy.



The automation of the workflow saves me a lot of time and speeds up patient QA considerably, yet still provides comprehensive analysis and supreme Monte Carlo dose accuracy. The myQA iON software allows for full automation but I have the freedom to maintain control of the functionality.

Lourens Strauss

Medical physicist at the University of the Free State, Bloemfontein, South Africa



Watch the video:
Shaping the future
of patient QA.

SAFE MEDICAL IMAGING: QUALITY ASSURANCE FOR A BETTER DIAGNOSIS

Our quality assurance solutions for medical imaging systems such as X-ray or CT (Computed Tomography) contribute to improving the image quality. This ensures a more accurate diagnosis and therapy, while also controlling the radiation dose released by the machine. Our dosimetry solutions offer a complete and instant analysis of the released dose to complete the required test efficiency and with highest precision.

SAFE RADIOTHERAPY: QUALITY ASSURANCE OF EQUIPMENT FOR THE TREATMENT OF PATIENTS AND INDEPENDENT VERIFICATION OF THE TREATMENT PLAN

It is vital that a series of quality control checks are made on the calibration of the equipment and the plan calculation to ensure patient safety. These controls are designed to certify that the radiotherapy and proton therapy equipment will deliver the required dose in the exact location designated by the medical team. It also increases physicians' peace of mind about their patients' safety.



Matrixx Resolution



myQA Phoenix



PATIENT SAFETY DRIVEN BY ADVANCED CUSTOMER TRAINING AND SUPPORT

For IBA, service and support are about how we care for our customers and their performance.

With over 45 years of dosimetry experience, and through our training offerings, we help our customers run their equipment efficiently and safely, thereby ensuring patient safety in medical imaging and radiotherapy. Our qualified dosimetry service teams - uniquely distributed over 3 continents - ensure 24/7 instant access and quality support to our customers.

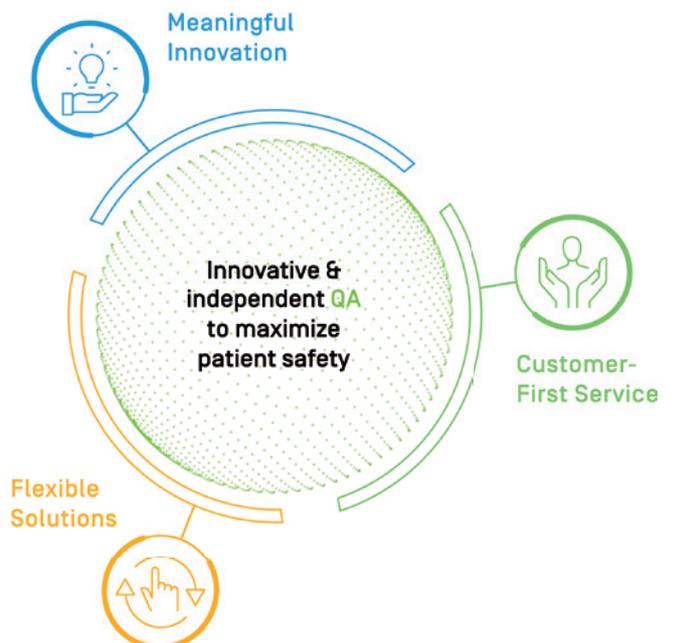
Discover Dosimetry's innovative and independent QA solutions.



LEADING INNOVATIONS IN QUALITY ASSURANCE

Through cutting-edge innovations, IBA Dosimetry has a long history of advancing Quality Assurance in radiation therapy, proton therapy and medical imaging. As we continue on this path, we believe that three drivers are essential to further innovate QA:

- Independence of QA Solutions
- Convergence of Machine QA and Patient QA
- Smart synthesis of the four QA pillars: Measurement, Integration, Automation, and Prediction



Protect, enhance and save lives by being

A COMMITTED COMPANY



The IBA Beam Factory, production area.

We are proud of this recognition, which is the culmination of a long process that involved all aspects of the company. However, certification is not an end in itself. It is only the starting point of a new approach which was already present in our culture but which will now take on a whole new dimension. With the assessment that led to our B Corp certification, we have identified the points that we can work to improve upon. This is just the beginning.

Olivier Legrain
CEO of IBA

IBA's consideration of its stakeholders lies at the heart of its entrepreneurial ethos. For, just as we are committed to our customers, patients, and shareholders, we realize that a commitment to our people, to society and to the planet is key to maintaining the quality of life of both present and future generations. Nothing less than our societal and environmental legitimacy as a company is at stake.

BUSINESS AS A FORCE FOR GOOD

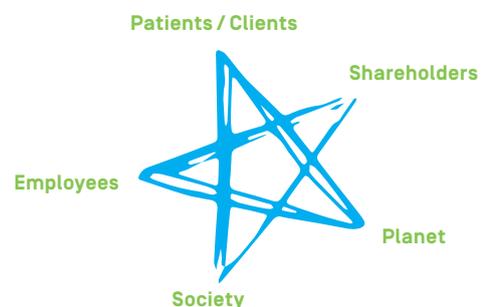
As expressed by our Stakeholder Approach, we at IBA believe in a business model that creates shared and long term value for all stakeholders. Beyond words, we have decided to operationalize this vision by certifying as a B Corporation (or B Corp). The B Corp framework is a holistic tool to assess, benchmark and ultimately improve our sustainability journey. And being B Corp certified provides what is often lacking elsewhere: proof.

In doing so, IBA joins a B Corp community of more than 4,800 businesses globally, that promotes strong values of change, making companies «a force for good» and highlighting those that reconcile profit with societal purpose. The B Corps are part of a movement to transform businesses to contribute to a more sustainable and inclusive economy and society. We also firmly believe that being a business as a force for good is the best business choice: attracting and retaining talents, staying ahead of upcoming risks, and improving the current product catalog while exploring new and growing markets.



B CORP AS A TOOL TO OPERATIONALIZE OUR STAKEHOLDER APPROACH

- **Assess:** 360° thinking to identify our strengths and improvement areas (along the 5 dimensions, ~300 questions) -*Evolving framework*
- **Compare:** Large community to benchmark our performances and share best practices
- **Improve:** Framework to set milestones on our sustainability journey



USING
BUSINESS
.....AS A.....
FORCE FOR GOOD

Certified
B
Corporation



As a company we acknowledge our weaknesses, as well as our strengths. Working on our weaknesses gives even more meaning to our global activities.

Thomas Canon
IBA Sustainability Program Director

Inspired by our findings during the B Corp certification process, we mapped our strengths and weaknesses as a company. From there, we identified six strategic streams to work on during the next three years.

LOW CARBON, LOW WASTE PRODUCTS	Understand / reduce the CO ₂ and waste impact of our products across their lifecycles and value chains
NET ZERO CARBON COMPANY	Monitor IBA Group carbon footprint, make it neutral by 2030 (reduce and offset)
LOW WASTE COMPANY	Monitor IBA Group waste footprint, reduce unsorted waste by 2/3, by 2025
SUSTAINABLE SUPPLY CHAIN	Encourage/require our main suppliers to assess and improve their societal and environmental impact
DIVERSE, EQUITABLE AND INCLUSIVE WORKPLACE	Pro-actively incorporate diversity, equality and inclusion into our business as a major contributor to belonging
COMPANY ACCOUNTABLE TO SUSTAINABILITY	Enhance policies and practices pertaining to our mission, accountability and transparency

COMMITTED TO OUR EMPLOYEES

As Yves Jongen, IBA's founder, always reminds us, our people are IBA's most valuable asset. After all, would our mission statement to protect, enhance and save lives still make sense if it isn't put into practice for and by our employees?

As a responsible employer, we want to provide our employees with safe and efficient working conditions and a friendly environment conducive to their professional and personal development.

Protecting lives is an everyday commitment at IBA and it applies first to ourselves and the people we are working with and for.



AT OUR BEST

Peak performance is achieved when we are at our best. A complete set of new tools and practices is in place since 2020, covering the areas of Performance Management (Working Collaboratively), Engagement Monitoring (Constant Dialogue), Learning (Develop knowledge and skills) and Compensation (Sharing value created).

I am convinced that in future, talented individuals will list sustainable development as an essential criterion in their choice of employer.

Olivier Legrain
Chief Executive Officer



Energizing teams by working collaboratively

- OKR methodology** for agility & collaboration
- Check-in meetings** with your managers twice / month
- Phasing out of **annual goals & year-end evaluation**



Moving in the right direction based on constant dialogue

- Frequent Pulse survey** (Glint) at all levels
- Insights on **engagement** drivers and organizational health
- Managers in the driving seat** to act upon it



Growing constantly by developing new knowledge & skills

- LinkedIn Learning platform** confirmed (successful launch)
- New training modules** for all managers to develop new **coaching skills**
- New training paths per function**



Creating value and sharing it all together

- Base salary rewards competence** and is adjusted for the individual part of current variable pay, if any **More agile reward** spotlighting those who grow quickly or go the extra mile
- Above & Beyond Award**
Manager may directly reward team members after an achievement
- Revamped promotion system**
Less frequent, yet more sustential increases
- Profit sharing**: Value created together will be shared with shareholders and employees

One of the ideas behind this change is that before we evaluated people and granted them a bonus on the basis of objectives they achieved. Now, we have changed the mindset and we award the bonus because we trust they are engaged and will fulfill the tasks, projects, and objectives that are required on a daily basis - and these objectives might be reviewed more often.

Soumya Chandramouli
Chief Financial Officer

OFFERING FLEXIBLE BENEFITS

We believe in flexibility. In selected countries, the new MyChoice plan is designed to better align the individual value of a salary benefit with the individual needs of IBA employees. Each employee can, within set limits, use his or her «à la carte budget» to receive benefits such as complementary health insurance, multimedia, education or mobility means.

SHARING PROFITS

As of 2021, a new compensation system is in place, in line with our stakeholder approach: while the base salary rewards competence, a profit-sharing plan assigned to each employee matches the dividend paid to shareholders. This aligns shareholders and employees' interests with a proper balance between short-term performance and long-term goals in support of the realization of IBA's strategic commitment to its multi-stakeholder approach.

I am really grateful for the welcome you all have given me at IBA, and for this collaboration which is for my part positive and fulfilling. Thanks for the trust you have placed in me.

Passwerk Consultant

PROMOTING A DIVERSE, EQUITABLE AND INCLUSIVE WORKPLACE

Diversity is fundamental to our culture. We value the uniqueness of individuals and the different perspectives and talents they bring to IBA. We learn from and respect the cultures in which we work, promote diversity within our workforce, and have an inclusive environment that helps each and every one of us to fully contribute to IBA's success.

60 Nationalities
within IBA Group

IBA is committed to providing equal employment and training opportunities, and to treating applicants and employees without discrimination. We do not discriminate based on race, color, age, sex, sexual orientation, national origin, religion, language, or disabilities. Our policy is that no one at IBA should ever be subject to any kind of discrimination, and we have designated individuals responsible for diversity, equality and inclusion. Through a partnership such as Passwerk, we leverage opportunities to make our company more inclusive.



The IBA production area.



Discover the IBA Beam Factory.

COMMITTING TO HEALTH, WELLNESS AND SAFETY

Respect for universal human rights is at the core of IBA's business.

IBA is committed to providing a positive, productive, and safe work environment with freedom of association, good ergonomics and great employee facilities. We promote the prevention of involuntary labor and human trafficking, as well as the prevention of underage labor and burnout, in a work environment that is free from violence, threats, harassment, intimidation, mental or physical coercion, and other disruptive behavior.

We do not permit any form of violence, whether physical, verbal, or mental. We consider all threats of violence as serious.

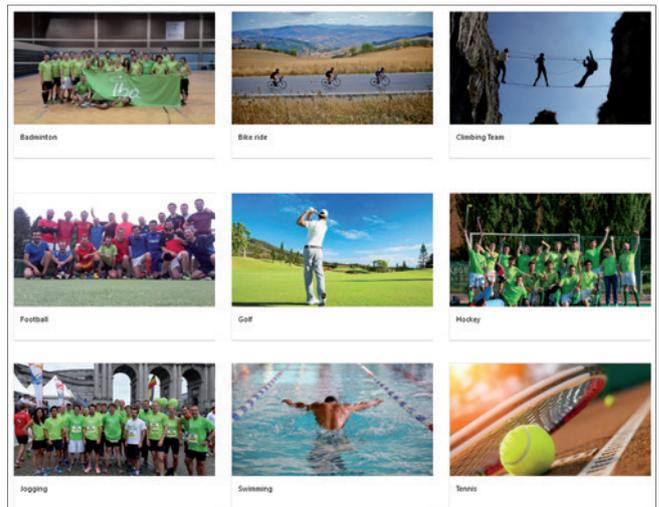
IBA is committed to implementing best practices in the field of Occupational Health and Safety to keep our promise of No Harm to our people.

To achieve this result, we:

- ensure IBA operations comply with applicable occupational health and safety regulations, and when appropriate, implement additional controls to meet company requirements;
- empower all employees to stop any activity which they judge to be hazardous and that goes against our 'No Harm' principle.

Through all steps of the development, implementation, and operation of IBA products and services, we ensure the highest standards of safety for our employees.

At IBA, we recognize that time out of the office can be beneficial. We partner with local associations to offer our employees refreshing team building or individual activities during lunchtime. Social clubs are promoted by IBA and organized by voluntary employees. Climbing, golf, biking, running, hockey, photography and indoor fitness are a few of the employee clubs organized at lunchtime or after hours.

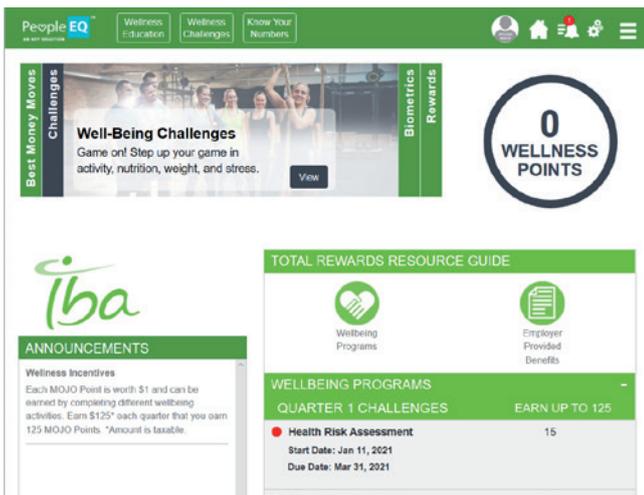


Our stakeholder approach pushes us to consider all aspects of our activities, including societal and environmental, and to involve as many people as possible in order to increase the positive impact we have on society.

Olivier Legrain
Chief Executive Officer

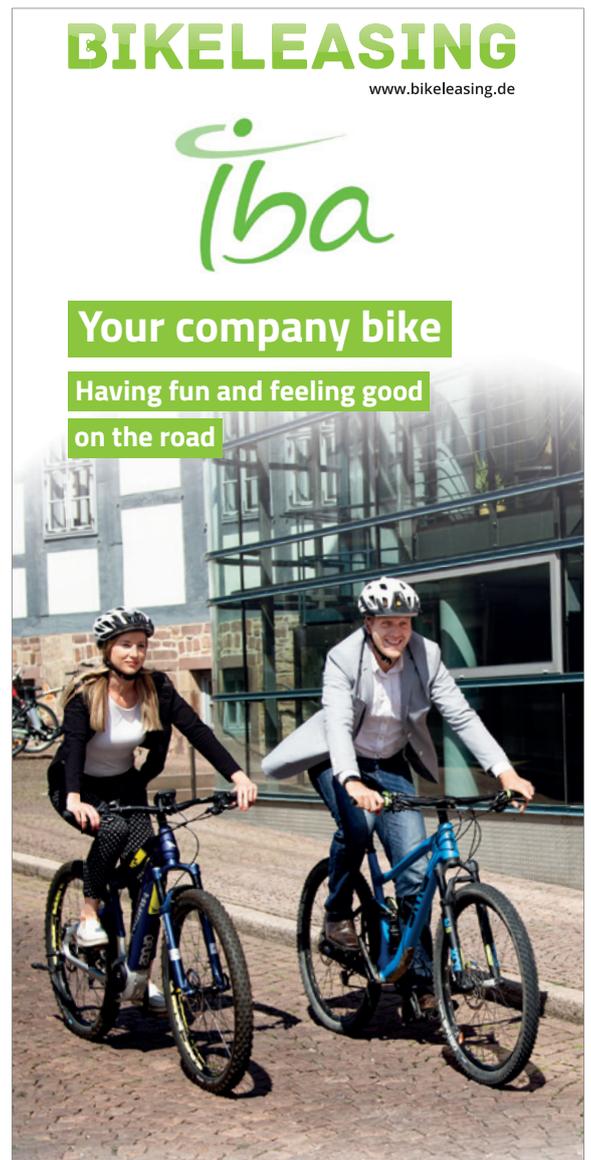
In Germany, we organize health weeks to promote health and well-being activities and practices. We sponsor sport activities and events (cycling, running, etc.). And employees have access to a financially attractive bike lease program in an effort to promote sport, low impact commuting and well-being.

In the US, our IBA Wellness Portal provides IBA employees with fun and engaging challenges (running, walking, etc.), online training, exercise and nutrition tracking, health coaching tools, social features, wellness blog articles, company announcements, Human Resource documents and more.



All IBA employees have access to a global high-quality Employee Assistance Program, regardless of where they live and work, providing assistance in the local language in more than 70 countries.

Through this program, practical information and counselling on a variety of topics is available to the employees and their relatives, and counselling is offered at the most convenient time and location.



A big thank you for the greater choice offered by the new bike lease formula, for the bike allowance and the excellent infrastructure at IBA. It's a pleasure to cross the fields in the morning and then overtake the line of cars when approaching IBA.

François,
an IBA biker

ENCOURAGING LOW IMPACT MOBILITY

IBA encourages efficient, low-impact and healthy mobility. We propose attractive leasing conditions to our employees for low-impact mobility vehicles, such as electric bicycles and scooters. This is an efficient way to combine daily commuting and parking lot optimization, healthy exercise, fitness, and carbon footprint reduction.

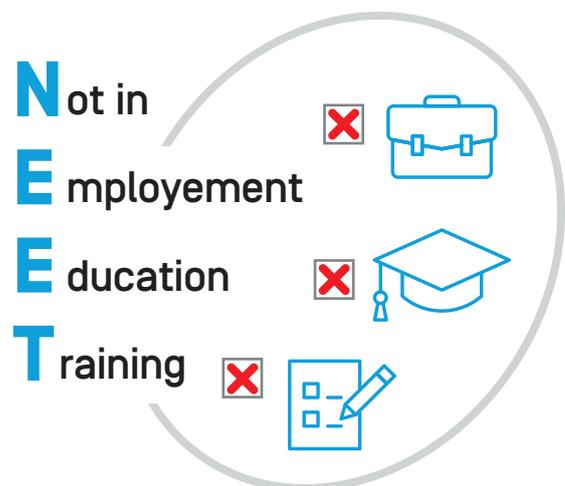
More than 200 bicycles are under lease in Belgium and Germany, representing a 20% uptake by IBA staff. IBA is regularly awarded at the Belgian "Active Bike" challenge, ranking among the most proactive Belgian companies in this area.

IBA also promotes electric cars through attractive leasing conditions, free charging and adapted infrastructures: specific parking lots, and high-power charging stations.

20% of employees in Belgium and Germany have leased a bicycle

COMMITTED TO OUR SOCIETY

We firmly believe that the purpose of an economic player must be to promote social progress and collective well-being. The model we endorse - both externally and internally - goes beyond regulatory compliance: it encourages an ethical vision of practices and behavior, respect for differences and a meaningful contribution to the communities around us.



YouthStart, an association which every year trains young people "not in Education, Employment or Training" (NEET's).

SUPPORTING EDUCATION

While we invest heavily in training our employees, we are also committed to educating young people. We believe that passing our knowledge on to younger generations is vital to assuring our future.

Over the long term, we will continue to support partnerships with NGOs, foundations and universities which will help improve learning and education. In 2020, IBA continued its collaboration with Foundation for Future Generations, as a partner of the Hera Awards program, with the Philippe de Woot Awards, and with the University of Louvain by supporting the "Civil Biomedical Engineer" diploma program, enabling the Louvain School of Engineering (Ecole Polytechnique de Louvain - EPL) to expand its range of courses.

IBA employees regularly share their experience and knowledge with universities and high schools. We have an active policy of integrating young people into professional life, by offering internships, end-of-study work, and student jobs. IBA mainly hires local employees in the countries where it has operations, creating jobs and providing wages to residents in the nearby area, and thus boosting the local economy. This is our way of making a positive contribution to the future of society at large, and of attracting new talents to IBA.

And, since 2021, we support YouthStart, an association which every year trains more than 1000 young people "not in Education, Employment or Training (NEET's)", preparing them to enter the professional world.



Watch the video:
Hera sponsoring.

ENGAGING WITH OUR SUPPLY CHAIN

We believe that a strong and responsible supply chain benefits our community.

IBA has approximately 100 main suppliers worldwide supporting its design and product manufacturing. The majority of IBA suppliers are located in Europe. IBA suppliers have been selected for their ability to best comply with requirements as stipulated by ISO 13485:2016. The selection and qualification process of a supplier considers the criticality of the supplied goods and services. IBA promotes technical collaboration and innovation with its partners in order to reduce risks, costs and improve the quality of its products and services. Strategic partnerships are developed whenever beneficial.

The nature of our activities and the origin of products entering our production chain are not considered to be risky in terms of respect for human rights. However, we recognize that our knowledge of our entire value chain is not optimal. We have a good view of our first level of supply, including rigorous vendor selection and validation processes, although with regard to suppliers and subcontractors beyond the first level, we acknowledge our ignorance.

In this context, IBA releases its 'Conflict Minerals' report, and Code of Conduct for Suppliers, which outlines the minimum standards expected from its major suppliers. The Code of Conduct for Suppliers builds on, and is in alignment with, the IBA Code of Business Conduct, which all IBA employees must adhere to. Within their sphere of influence, IBA also expects suppliers to communicate the principles and to apply these minimum standards to their subcontractors and suppliers.

IBA's Code of Conduct for Suppliers follows and supports the United Nations Sustainable Development Goals (SDGs) by aligning the principles of this Code of Conduct with relevant SDGs. IBA is committed to achieving this journey together with its suppliers as equal partners.



Watch the video:
IBA's commitment to SDG.

SUPPORTING PATIENT ORGANIZATIONS

Around the world, IBA's men and women, all experts in their field, are passionate and enthusiastic about what they do. They collectively undertake to play an active role in putting our mission statement into practice, «Protect, Enhance and Save Lives».

They help each patient to have access to the most beneficial treatment for their cancer, and they bring the more efficient and more environmentally friendly industrial technologies to the service of our customers.

Beyond providing better solutions to its customers, IBA also supports the patients and their families, in partnership with those working in the field and by encouraging voluntary citizen actions by its employees: sponsorship, facilities sharing, donations from employees' initiatives such as "Relay for Life", "FunRun", "Rock Against Cancer" or "Golf Against Cancer" events.

Associations such as "Compass to Care Childhood Cancer Foundation" in the US, Muni Seva Ashram in India, "La Vie-là" and "L'Essentiel" in Belgium, which supports and accompanies people with cancer in order to offer them a better quality of life, have also benefited from the on-going support of IBA and its employees for many years.





Céline Tellier, Walloon Minister of the Environment

Watch the IBA Soil Capital Partnership video.



COMMITTED TO OUR PLANET

IBA is conscious of the current major environmental crisis. Amongst the many challenges to address, we are today specifically focusing on two: our GHG emissions and our waste. Our aim is to regularly broaden this focus to include other environmental impacts, stricter targets and ultimately restorative actions.

NET-ZERO 2030 CO₂ EQ

CLIMATE

Our impact on global Greenhouse Gas (GHG) emissions is both direct and indirect:

- A direct impact through our operations: our offices and manufacturing infrastructures, and our employees' travels.
- An indirect impact through our installed product base: production at our suppliers' facilities, transport within the value chain, and, once installed at the customer's location, via electricity consumption, servicing, and decommissioning.

Inspired by the EU climate targets we have set ourselves goals for reducing our operations' net GHG emissions to zero by 2030.

IBA's support to pay farmers for storing carbon really was a necessary condition for the success of this project.

Chuck de Liedekerke
CEO Soil Capital LTD

This will be achieved by taking action on our infrastructure and mobility impacts to reduce them by at least 50% below 2018 levels by 2030, and for the remaining part, via offset.

Green energy contracts are in place, and the IBA Headquarter facility has been designed to save energy and be self-sufficient in energy production.

We are assessing the impact of our digital infrastructures and software usage, to better understand the carbon footprint of this ever-increasing part of modern organizations.

We continue to work on our mobility policies to address both the efficiency and the carbon footprint of our employees' mobility, via incentives for low-impact, public and electric mobility, home working practices and a more efficient servicing organization.

Through a pilot project led by 'Soil Capital', IBA purchases carbon certificates from regenerative local agriculture, contributing to the decarbonization of its regional operations. This voluntary initiative advances the creation of a market in Wallonia for these certificates, which support transitional agricultural practices that reduce net greenhouse gas emissions at farm level. Such practices not only increase biodiversity and support the local economy and sustainable food systems, but also create a framework allowing other private, public and voluntary actors to join and improve this pilot project.

Through the introduction of ecodesign practices, IBA also continuously reduces the CO₂ footprint of its installed base, following two paths:

- Increasing the energy efficiency of its product portfolio. The Proteus One proton therapy system offers significantly improved energy performance thanks to the use of superconductivity.
- Improving the geographic distribution of centers, making them more accessible. This reduces patient travel (hence CO₂ emissions) and accommodation impact.

Our RadioPharma Solutions division has completed the technological transition to the Cyclone®KIUBE, with significantly greater compactness (less resources used) and energy efficiency.

Our Industrial Solutions division is also continuing to transition with the arrival of the Rhodotron® new generation, the energy performance of which has greatly improved. If requested, IBA is ready to substitute the Dynamitron insulating gas SF₆, which still represents a significant part of the GHG emissions from our company's installed base.

We are gradually assessing our supply chain impact, with the introduction of a Supplier Code of Conduct that addresses climate impact, among other topics.

We monitor and publish annually our GHG emissions related to our installed base and to our organization (Belgian area): offices and production means, and employee mobility (fleet of company vehicles and professional air travel /public transport).

With a view to increasing transparency and benchmarking our practices, we disclose our environmental data every year through the Carbon Disclosure Project (CDP). IBA was awarded a B- score in 2021, and has now entered the "management level" class of companies taking coordinated action on climate issues.

WASTE

IBA also has an impact on waste production:

- A direct impact through our operations: offices and manufacturing processes.
- An indirect impact through our installed product base: production processes at our suppliers' facilities, transport within the value chain, and, once installed at the customer location, servicing and decommissioning.

We have set ourselves targets for reducing our unsorted waste intensity by a factor of 3x below 2018 levels by 2025 for our Belgian operations.

This will be achieved by making changes at all levels to the impact of our logistics, manufacturing and offices. Product packaging, for instance, is being continually improved to reduce its overall environmental impact.

Through the introduction of ecodesign practices, our product management takes into consideration the principles of circularity - avoid, reduce, reuse, recycle. All products from the four business lines, namely Proton Therapy Solutions, RadioPharma Solutions, Dosimetry Solutions, and Industrial Solutions are designed to facilitate maintenance and servicing. A circular process to return defective or surplus parts deployed to our customers is now in place, for repair, resale or recycling.

IBA has also developed "low activation" concrete, which significantly reduces the amount of waste to be reprocessed during the future dismantling of the casemates hosting its accelerators, therefore costs and the environmental impact. This concrete was also used during the construction of our new headquarters.

IBA is also affiliated with Recupel and declares the equipment placed on the market subject to the obligations of WEEE legislation.

To better manage the outcome of our actions, we monitor and publish our waste emissions related to our Belgian operations each year.



Soil Capital

MATERIALITY AND REPORTING

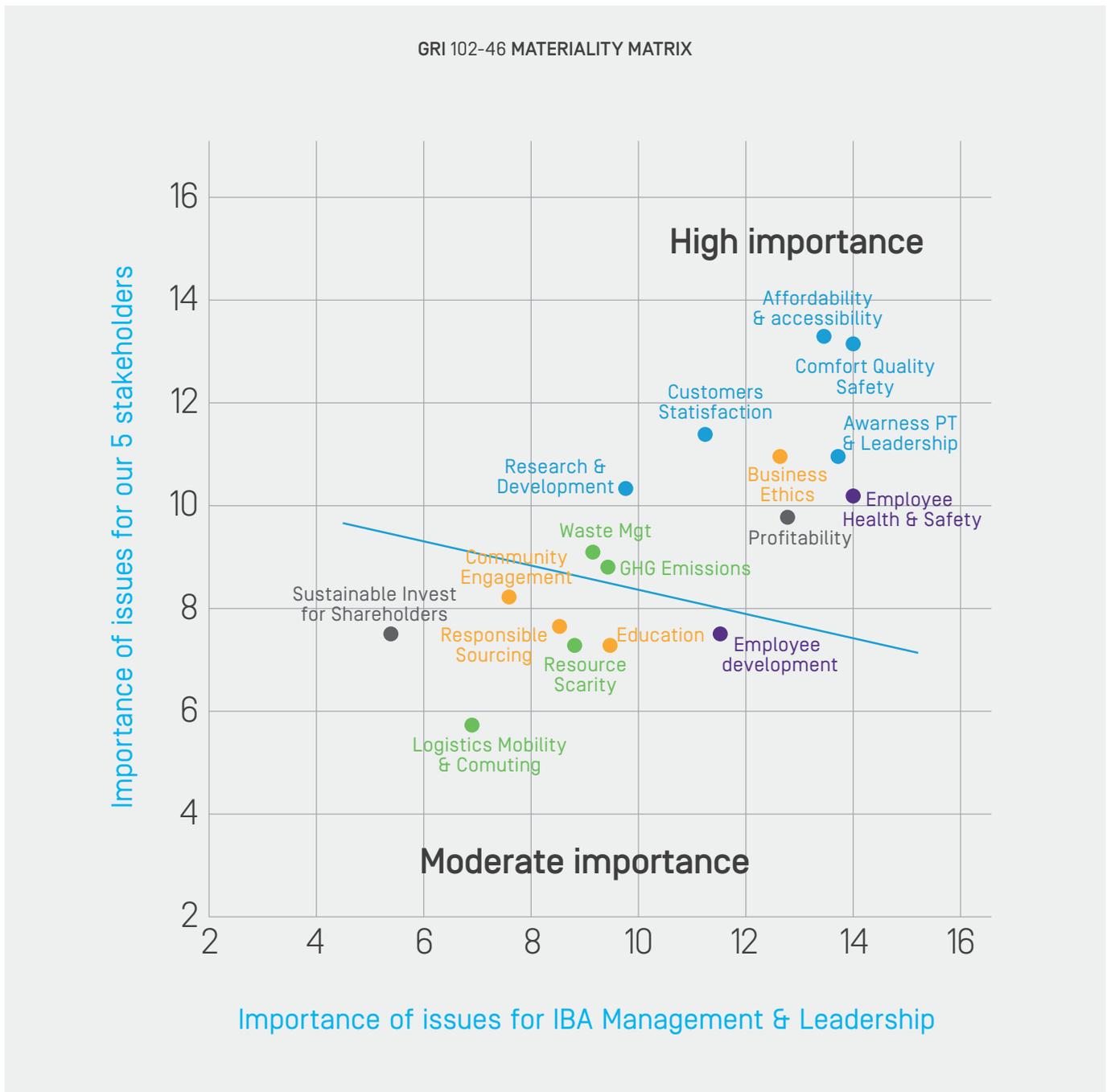
To clarify our priorities, IBA has built a materiality matrix based on a dialogue with our stakeholders and the reference framework recommended by the Global Reporting Initiative (GRI). It is in this broad area that we are concentrating our efforts. The hierarchy of our priorities is obtained by aligning the concerns of the company with the interests of all stakeholders.

This matrix takes into account data from the ongoing dialogue that IBA has established with all its stakeholders,

Through formal and informal exchanges and in publications on environmental issues.

IBA intends to continuously refine its matrix to keep it aligned with both company and stakeholder interests.

For more information on our yearly results, please refer to the GRI Index in our annual report.





Contact IBA

Corporate Communication

Tel: +32 10 47 58 90

E-mail: communiati@iba-group.com

Ion Beam Applications, SA

Chemin du Cyclotron, 3

1348 Louvain-la-Neuve, Belgium

Tel: +32 10 47 58 11 - Fax: +32 10 47 58 10

RPM Nivelles - TVA: BE 428.750.985

E-mail: info-worldwide@iba-group.com

www.iba-worldwide.com

E.R.: IBA SA, chemin du Cyclotron, 3

1348 Louvain-la-Neuve, Belgium

Design & Production: www.thecrew.be

Certified



Corporation

Life,
Science.