



IBA RadioPharma Solutions  
**CHOOSE EXCELLENCE**

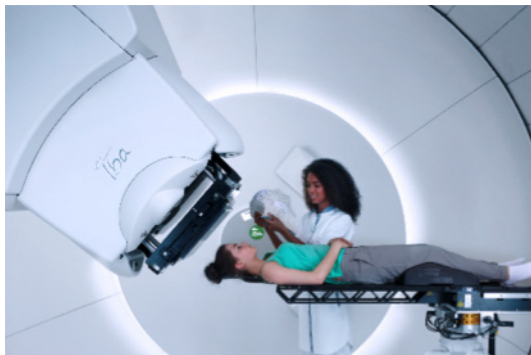


# INTEGRATED MEDICAL SOLUTIONS AGAINST CANCER

Founded in 1986, IBA is a global medical technology company focused on bringing integrated and innovative solutions for the diagnosis and treatment of cancer.

OUR MISSION IS TO PROTECT, ENHANCE AND SAVE LIVES.

## GLOBAL LEADER IN:



**PROTON THERAPY**  
Changing the way you treat cancer



**DOSIMETRY**  
Integrated Quality Assurance



**INDUSTRIAL & STERILIZATION SOLUTIONS**



**RADIOPHARMA SOLUTIONS**  
Choose excellence

FACTS →



**+30**

YEARS EXPERIENCE

**+500**

PATENTS & PATENTS APPLICATIONS



**+63.000**

PATIENTS TREATED WITH IBA PROTON THERAPY SYSTEMS

**1500**

EMPLOYEES IN 25 COUNTRIES



# IBA RADIOPHARMA SOLUTIONS

## CHOOSE EXCELLENCE

### TAILOR-MADE RADIOPHARMACEUTICAL SOLUTIONS

Based on more than 30 years of experience, IBA RadioPharma Solutions helps nuclear medicine departments to design, build and operate PET centers for the production of radiopharmaceuticals used for the detection and treatment of cancer and other critical diseases.



## FACTS

- **More than 270 cyclotrons** operating and supported on 5 continents
- Over **500 Synthera®** radiosynthesis modules installed worldwide
- Integralab®'s team of multidisciplinary experts have **designed and installed over 80 customized radiopharmacy centers.**

**90%**

**IBA USERS  
SATISFACTION**

Result of the Customer  
Satisfaction Survey Cyclotron 2017



IBA produced the very first Cyclone® 18/9 for us in 1990 and it is still operational today. We are still very happy with its performance. Thanks to multiple upgrades, we can match the quality and performance of current machines.

*Dean Jolly  
Manager Cyclotron facility  
McGill University  
Montreal, Canada*

# CYCLONE®

## HIGH CAPACITY. PROVEN SOLUTION

IBA is the world leader in PET & SPECT cyclotrons for radiopharmaceuticals production. IBA offers high performance cyclotrons from 18 MeV to 70 MeV with a large flexibility both for current and future production needs. Most cost effective operation, unrivaled performances and highest uptime.

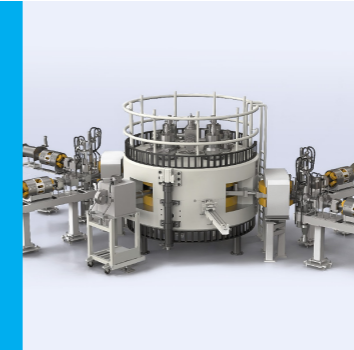
270

CYCLOTRONS  
INSTALLED



### CYCLONE® 70

The proven  
reliable  
solution



**Cyclone® 70** is a 70 MeV compact cyclotron with full specifications at high beam power. A proton only or multi-particle version is available.

References worldwide:

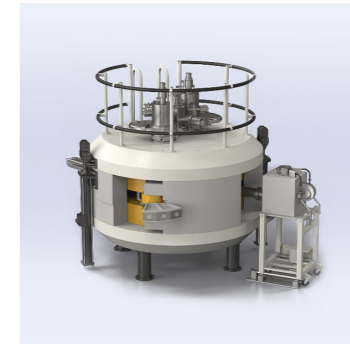
- Nantes, France, 2005
- Indiana, USA, 2015
- Moscow, Russia, 2016

**Cyclone® 30** (MeV) offers a large flexibility both for current and future production needs thanks to the multiparticle production and the ability to upgrade to higher intensity versions if needed.

With nearly 30 operating units worldwide, IBA is the leader in high energy cyclotrons.

### CYCLONE® 30

Highest  
flexibility



### CYCLONE® KIUBE

Max potential,  
Max capacity



**Cyclone® KIUBE** (18MeV) is established as the cyclotron of choice offering the highest production capacity ever reached with a PET cyclotron and a maximized profitability.

# CYCLONE® KIUBE

## MAX POTENTIAL, MAX CAPACITY

### DESIGNED TO DELIVER

The highest production capacity ever reached with a PET cyclotron. It is able to produce up to 300 FDG doses in a 2-hour run.

### DESIGNED FOREVER

Upgradable like no other cyclotron; you can increase your production capacity step by step from 100µA to 150µA, 180µA and even up to 300µA on target.

### DESIGNED FOR YOU

A full range of Nirta® targets are available giving you access to <sup>18</sup>F, <sup>68</sup>Ga, <sup>123</sup>I, <sup>124</sup>I, <sup>89</sup>Zr, <sup>99m</sup>Tc, <sup>13</sup>N, <sup>15</sup>O, <sup>11</sup>C, <sup>64</sup>Cu,....

Cyclone® KIUBE is also available with a self-shielding option.

UP TO  
**300** µA

#### CYCLONE® KIUBE VAULTED\*



**10Ci**  
370 GBq  
100 µA

**16Ci**  
592 GBq  
150 µA

**20Ci**  
740 GBq  
180 µA

**30Ci**  
1110 GBq  
300 µA

UPGRADABLE

\*Production in Curies of <sup>18</sup>F in 2 hours run



# SYNTHERA<sup>®</sup>+

## BETTER, SMARTER, STRONGER

Synthera<sup>®</sup>+

 is the most compact radiosynthesis module on the market. It offers high capacity, high potential and high reliability.

Commercially available: <sup>18</sup>F<sub>2</sub>FDG, <sup>18</sup>F-PSMA-1007, Na<sup>18</sup>F, <sup>18</sup>FCH, <sup>68</sup>Ga-peptides and many others to come.

### ➤ BETTER MULTI RUNS OF MULTI TRACERS

- Up to 12 runs of multiple tracers in the same hotcell
- Online library of compounds, with free access to synthesis protocols

### ➤ SMARTER ACCESSORY BASED

- Synthera<sup>®</sup> Extension for extra functionalities
- Production capability X 4 thanks to the IFPT<sup>™</sup> automated Loader
- Synthera<sup>®</sup>+ HPLC for more complex purification
- Fixed IFPT<sup>™</sup> makes new developments simpler and more cost-effective

### ➤ STRONGER HIGHEST RADIATION RESISTANCE

- All electronic compounds are placed out of the hotcell
- Increased uptime
- Reduced maintenance



# INTEGRALAB®

## EXPERTISE MAKES IT HAPPEN

Integralab®'s team of multidisciplinary experts offers you a portfolio of solutions to ensure a fast, smooth and risk-free set up of your fully optimized [c]GMP radiopharmacy.

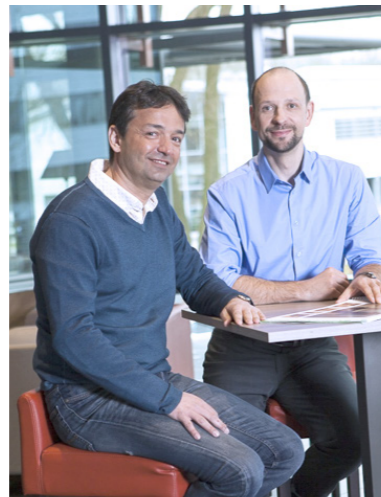
The Integralab® solution ensures the fastest time to market.

It includes among others, the scope definition according to your needs, the building design achieving full regulatory compliance and the selection, integration, supply and installation of suitable equipment to match with your radioisotopes production goals.

➤ **REDUCE**  
YOUR PROJECT TIME



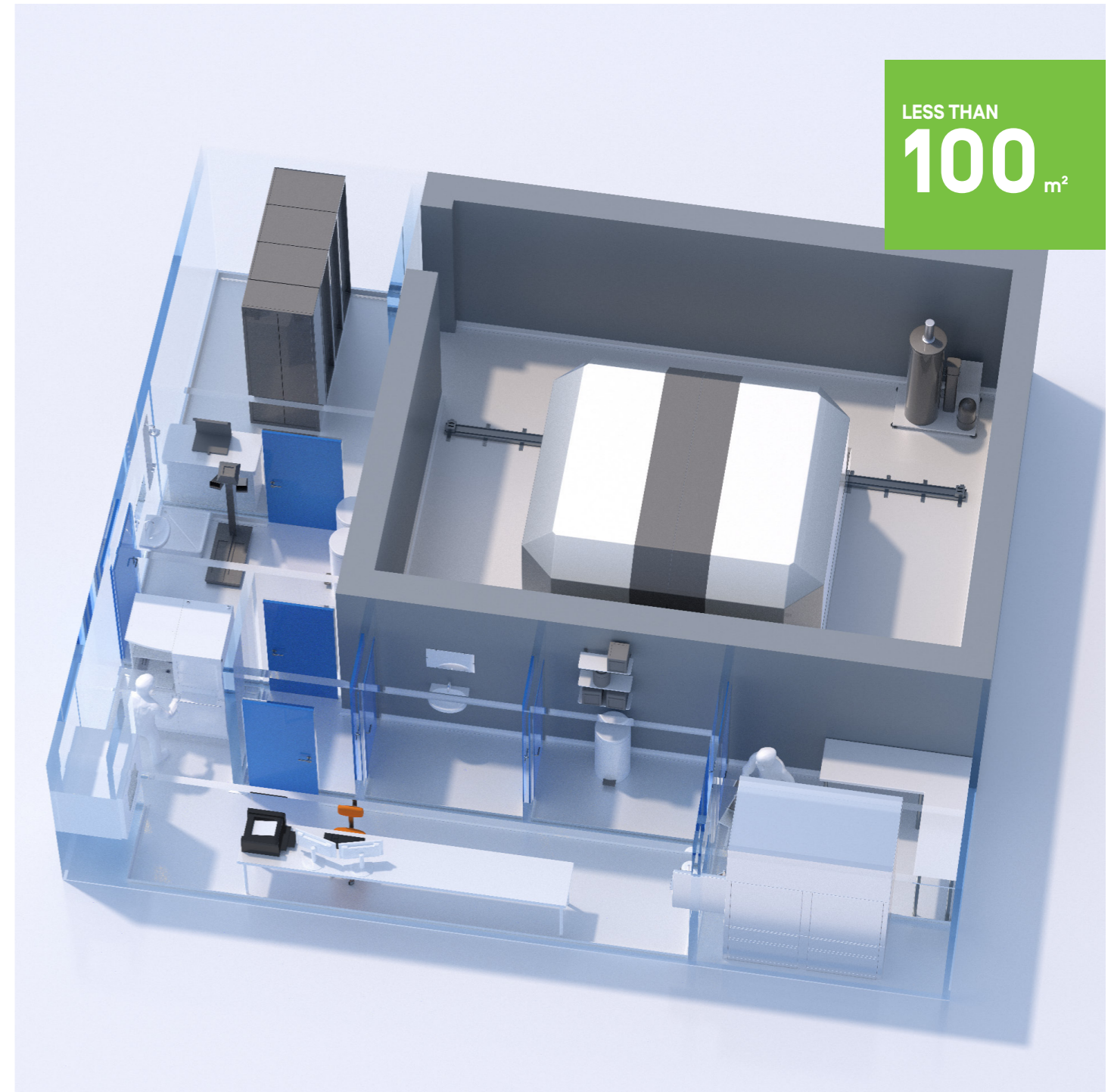
➤ **INCREASE**  
YOUR PRODUCTION UPTIME



➤ **STAY AHEAD**  
OF TIME



LESS THAN  
**100** m<sup>2</sup>



# CAREPROGRAM

## CONTINUOUS SUPPORT TO STAY AHEAD OF TIME

The CAREprogram includes a complete portfolio of solutions to install, optimize, support and maintain your equipment. And because technology changes quickly, IBA has developed both upgrade packages tailored

to your configuration and training programs to increase performance and operator efficiency. A cost effective and performant solution resulting in the highest uptime.



TECHNICAL  
SUPPORT  
**24/7**



UPGRADES/  
MAINTENANCE  
CONTRACTS



IBA ACADEMY

UPTIME  
**98,6%**  
Result of the Customer  
Satisfaction Survey Cyclotron 2017



JOIN A COMMUNITY  
OF EXPERTS IN OUR  
USER MEETINGS

↓ IBA Users Meeting 2017



## DISCOVER A NEW WORLD OF POSSIBILITIES

Would you like to know more about all the radiopharma solutions IBA has on offer?  
Our team of experts will gladly answer all questions you may have.

### CONTACT US:

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