

## PT Service Engineer – Beam Physics

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**Position Title:** Service Engineer Beam Physics

**Position reports to:** Site Manager

### Company presentation

Over the past 24 months we have known an accelerated growth and to support it, we are searching for talented candidates in different regions. Particularly in Japan, we are installing 2 Proton Therapy sites one of them in Narita Hospital, located in Toyohashi City, is one of the top leading hospitals providing the advanced medical services in the region. Narita Hospital belongs to “Meiyokai” group who also runs one more hospital, clinic, nursing houses, medical check-up center and nurse school. They are pretty motivated to start the PT service as explained by the president in the video uploaded to youtube (refer to: <https://youtu.be/cHAPmkpaonw>)

### Job Description

#### Mission

You play a key role in our mission to treat cancer patients.

As Beam Physics Service Engineer, you are responsible for beam calibration, commissioning and troubleshooting activities on the Proton Therapy site in Toyohashi. As a member of the team you will ensure the highest quality of state-of-the-art technologies and services. You will become a specialist in the latest cancer treatment solutions and represent IBA with your know-how.

You work in a team of approximately 10 people, and you report to the Site Manager.

At the end of the installation, the team will be reduced to insure customer service part. As Engineer you will assure an IBA coordinator position. If you are stimulated to develop your Engineer skills in an international career, you will be a Flying Engineer or a Field Engineer in another international installation or customer service site.

#### Duties and Responsibilities:

As Beam Physics Service Engineer you are responsible for:

##### During the Installation phase (+/- 12 months)

- Participating in the installation of a broad range of IBA equipment and technical tools on the Proton Therapy site with a specific focus on beam-related equipment
- Performing the beam-related equipment calibration following procedures
- Operating the system (understanding the software/hardware architecture of the system and the PT center components) in order to obtain a beam that matches the requirements
- Setting and aligning Dosimetry tools
- Critically analyzing a large amount of data to diagnose potential technical issues
- Testing and validating the equipment according to the specifications and ensuring the customer requirements are met in terms of compliance, quality, technical performance and timing
- Managing all aspects of beam-related commissioning activities: Pencil Beam Scanning (PBS) etc.
- Troubleshooting the equipment
- Ensuring the highest quality of state-of-the-art technologies and services

# JOB DESCRIPTION – PT SITE



## During the Customer Service phase

- Maintaining and troubleshooting the equipment
- Operating the system and providing technical support to the medical staff during QA, patient treatment and clinical operations
- Ensuring the client requirements are met in terms of technical performance, timing and safety
- Training customers
- Carrying out preventive and corrective maintenance on hardware and software equipment (shift work)
- Upgrading and improving the system in collaboration with the R&D department

## Profile

### You have:

- A Master degree or PhD in Physics or engineering
- An experience in High Energy Physics, Particle Accelerators or Medical Physics is a strong asset
- Good knowledge of MS Excel, MATLAB and Monte-Carlo Simulations
- The ability to troubleshoot large system issues
- Strong written and verbal communication skills in English whereas knowledge of Japan is an asset.

### And you also are:

- Customer-oriented
- Able to follow rules & regulations and you able to deliver on strict deadlines
- Analytical, good troubleshooting skills, able to identify root cause of issues
- Willing to share your knowledge in your area of expertise
- A team player with strong interpersonal skills
- Willing to travel extensively during the training period (+/- 6 months)
- A flexible person, willing to work in rotating shift work, night work and weekends (up to 50% of your time)

## Interested?

Please apply on our website: [http://www.iba-careers.com/?page=job&job\\_id=9614&lang=en&r=?page%3Dcareer%26lang%3Den%26country%3DJP%26category%3D%26keywords%3D](http://www.iba-careers.com/?page=job&job_id=9614&lang=en&r=?page%3Dcareer%26lang%3Den%26country%3DJP%26category%3D%26keywords%3D)