

# SPring-8 contributes to the Development of Industries in addition to Academic Research.

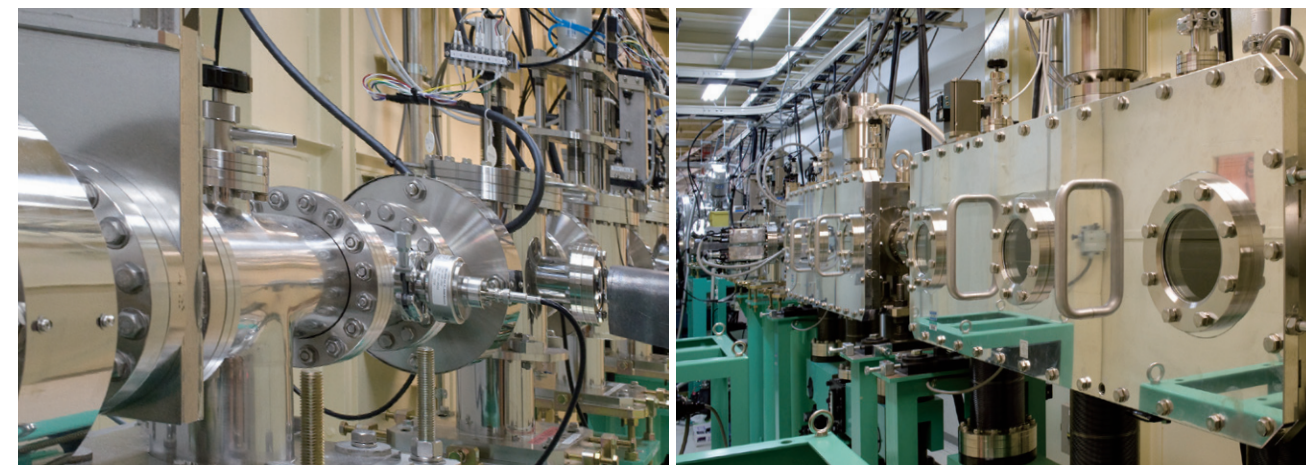
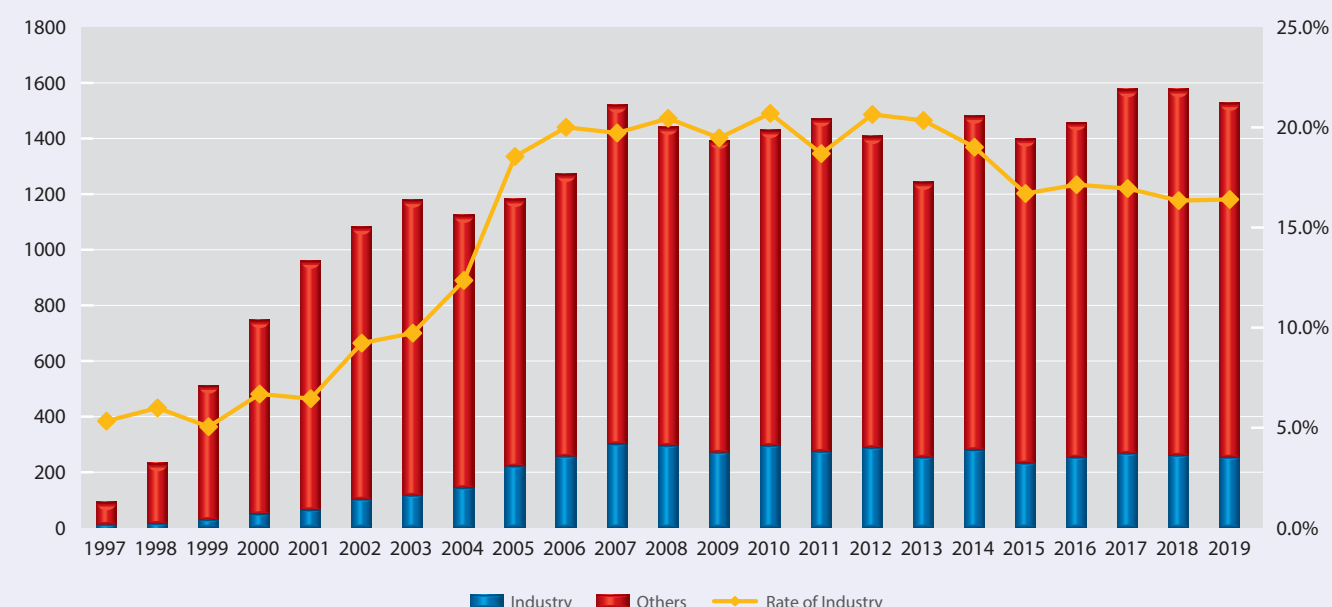
SPring-8 was constructed at a great cost of about 110 billion yen in 1997 and has an annual maintenance cost of about 8.5 billion yen. Large facilities such as this have a major responsibility to maximize the use of their technologies, not only at the frontier of scientific research, but also for industry.

To accelerate the industrial application of SPring-8, JASRI introduced a coordinator system in FY2000, started operating public beamlines (currently three beamlines) specialized for industrial application in FY2001, and established the Industrial Application Division in FY2005, thus continuing technological development with the convenience of users. Moreover, trial uses (trial,

FY2002; systemized in FY2003–2005) and the Program for Strategic Use of Advanced Large-scale Research Facilities (FY2005–2006) were implemented. In addition, Feasibility Study Proposals for Industrial Application, which provide potential users of SPring-8 with the all-year-round opportunity to use SPring-8 through a simple application process, have recently been established.

The industrial applications of SPring-8 have expanded yearly as shown in the figures owing to the improvement of the facility and its systems, and the implementation of programs. Not only has the number of users increased, but we have also seen users from new kinds of industry during this period.

Number of Conducted Proposals at Public BLs by Affiliation



SPring-8 Measurement Service provides measurements using SPring-8 performed by staff of the Industrial Application Division of JASRI instead of users. Users can send samples to SPring-8 as well as visit SPring-8 and observe measurements. The samples are measured and will be returned to the users in a month.

The Measurement Service aims to increase the convenience of SPring-8 for research institutions and companies that have difficulty in securing in-house technical staff and to solve urgent requirements. The Service is regarded as one of the Proprietary Time-Designated Proposals in terms of service cost. The cost to users is the sum of the beamtime fee (JPY 180,000 per 2 h), the fixed fee for consumable materials (JPY 2,680 per 2 h), and the variable fee for materials actually used during measurements.

If you are interested in or wish to know more about the industrial applications of SPring-8, please visit our website (<http://www.spring8.or.jp>), where you can find many examples of industrial applications. If you wish to use SPring-8 or find out whether the measurements you require are possible, please contact our coordinators in the Industrial Application Division (Phone: +81-(0)791-58-0924, E-mail: [support@spring8.or.jp](mailto:support@spring8.or.jp)). They will help you use our facility if you are unfamiliar with the use of synchrotron radiation. We hope that you will make active use of our facilities.

We continue to promote industrial applications of SPring-8 capabilities, which would be available by implementing the top-notch measurement technologies.

Publication: Japan Synchrotron Radiation Research Institute (JASRI)

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