Mitsubishi Electric Corp. Photonics and Quantum Technology for Society 5.0

Dr. Koji Yasui Senior Chief Technologist

- 1982: joined Mitsubishi Electric Corporation
- 35 years+ in R&D and Management in Mitsubishi Electric Corporation
 - Roles as Researcher, R&D Manager as well as factory manager and corporate strategic manager
 - Providing automation solutions including industrial processing machines
- Leading roles in state-run technology projects
 - "Photonics and Quantum Technology for Society 5.0," supported by Cabinet Office and QST
 - COI program "A center for innovation using coherent photon technology" supported by MEXT and JST
- B.S. and Ph.D. degrees in applied physics from the University of Tokyo
- Visiting scientist at Stanford University in 1989



Mitsubishi Electric corp. - Outline

Mitsubishi Electric Corp.

President & CEO:	Takeshi Sugiyama
Phone:	+81 (3) 3218-2111
Established:	January 15, 1921
Paid-in Capital:	¥175,820 million
Shares Issued:	2,147,201,551 shares
Consolidated Revenue:	¥4,462,509 million
Consolidated Total Assets:	¥4,409,771 million
Employees:	146,518

https://www.mitsubishielectric.com/en/about/corporate data/index.page



https://www.mitsubishielectric.com/en/about/strategy/index.page

Netherlands

SIP program, cabinet office, Japan (Photonics and Quantum Technology for Society 5.0)



Mitsubishi Electric corp. - Relation NL

We propose collaborations regarding

Photonic crystal surface-emitting lasers 2. Quantum computing platform for industrial applications
 EUV-related technologies

We can offer

- 1. Photonic crystal lasers for your industrial applications as lidars, et al. Kyoto Univ.
- 2. Quantum computing platform to connect your quantum computing powers with industrial applications in Japan. Waseda/Keio Univ.
- 3. EUV-related technologies: driver lasers based on both gas & solid-state lasers. Mitsubishi, Riken

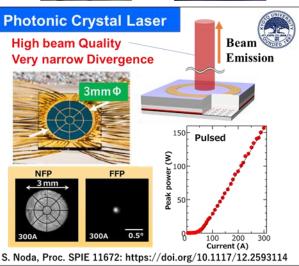
You could offer

- Industrial applications and EUV based lithography to produce photonic crystal lasers in high volumes.
- State-of-the-art quantum computing and algorithm services.
- 3. Field test on EUV-related apparatuses.











SIP Program: Quantum Service Center

