

**Facility Manager (Laser Technology)
Nanyang Technological University**

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Downloaded On: Jan. 15, 2025 8:00am

Posted Jan. 14, 2025, set to expire May 16, 2025

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| Job Title | Facility Manager (Laser Technology) |
| Department | Temasek Laboratories@NTU |
| Institution | Nanyang Technological University Singapore, , Singapore |
| Date Posted | Jan. 14, 2025 |
| Application Deadline | Open until filled |
| Position Start Date | Available Immediately |
| Job Categories | Professional Staff |
| Academic Field(s) | Physics - General |
| Job Website | https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Facility-Manager--Laser-Technology-_R00019542 |
| Apply By Email | |
| Job Description | |

Temasek Laboratories@NTU

[TL@NTU](#) explores the frontiers in science and develops strategic technologies to enhance the defence and security of Singapore. TL@NTU forms part of the defence technology community in Singapore alongside DSO National Laboratories, Defence Science and Technology Agency (DSTA), Temasek Laboratories @ NUS and @SUTD and the local defence industry.

Centre for Optical Fibre Technology (COFT)

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COFT is a joint endeavour between DSO, A*Star and NTU which hosts state-of-the-art fabrication equipment for several kinds of optical fibres, ranging from standard silica fibres to a variety of advanced specialty fibres, microstructured fibres and novel glasses (e.g. chalcogenides). Key equipment includes a 8.5 m dual-side fibre drawing tower, a Modified Chemical Vapour Deposition (MCVD) fibre preform lathe hosted in 200 m² of cleanroom space. The facility also includes 300 m² of dedicated chemical preparation area for glass etching and machining, advanced fibre processing and characterisation systems, including Bragg grating engraving/cutting, fusion splicing, thermogravimetric and thermomechanical analysers, lithography and etching. Characterisation relies on spectrophotometry, high-frequency network analysis, SNOM and electro-optic microcharacterisation.

A Facility Manager (FM) is required to support fibre fabrication activities at NTU. The FM should address any problems or issues that arise during fibre fabrication in the lab and proactively assist those using the facility. The FM must exhibit strong organisational skills and confidently prioritise tasks in a dynamic environment where responsibilities are continually evolving.

Key Responsibilities:

- Primarily to provide technical, facilities and administrative support for MINDEF project and DSO attached user
- Oversee day to day safety and operation of COFT
- Liaison with relevant department for safety and operational guideline
- Manage equipment time and scheduling for all projects in COFT with PIs.
- Provide technical, facilities and administrative support for approved external user
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Running facility and stock keeping including procurement.

- Routine maintenance and general housekeeping for the fabrication facility
- Troubleshooting issues within the fibre facility
- Assisting with fibre fabrication activities
- Assisting with installation/commissioning/decommissioning of lab equipment
- Reporting and documenting on a regular basis

Job Requirements:

- BSc/ Master in engineering or science
- At least 10-years experience in process engineering in semiconductor, chemical, glass industry
- Broad experience of handling of chemicals and special gases
- Basic knowledge on optical fibre fabrication is an advantage

We regret to inform that only shortlisted candidates will be notified.

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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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