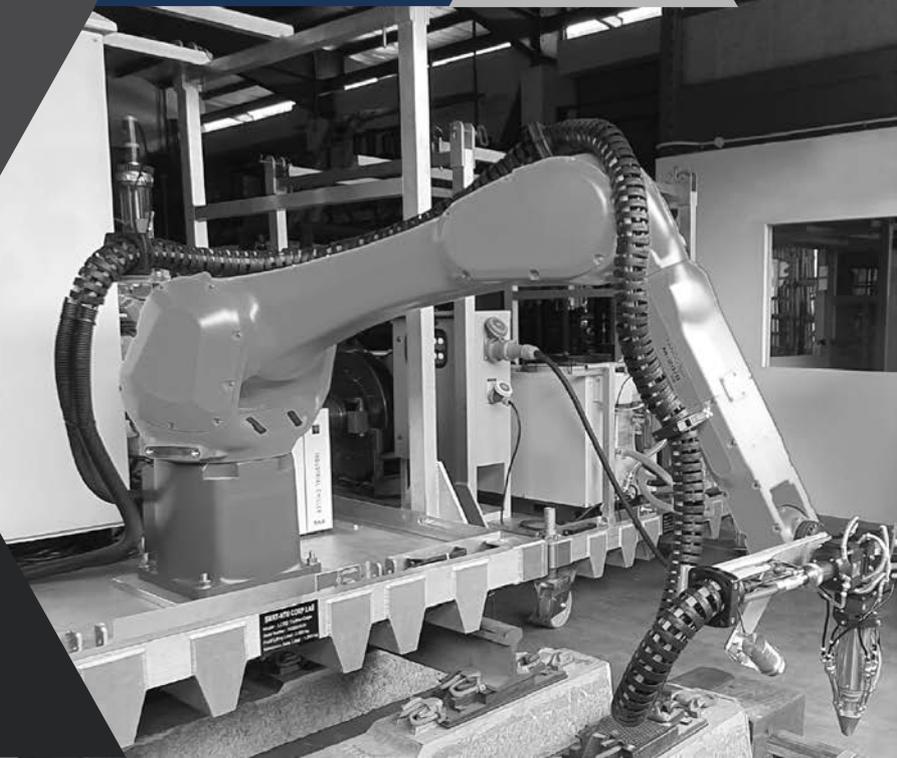


**NANYANG  
TECHNOLOGICAL  
UNIVERSITY**  
SINGAPORE

# PORTABLE LASER METAL DEPOSITION SYSTEM (PLMDS)



**PROF. JOHN H. L. PANG**

✉ [MHLPANG@NTU.EDU.SG](mailto:MHLPANG@NTU.EDU.SG)

☎ +65 98175324

50 NANYANG AVE, BLOCK N3, NANYANG AVE, 639798

## WHY CHOOSE THE PLMDS?

- Portable laser metal deposition system
- Laser Cladding Repair and hard-facing
- Metal Additive Manufacturing
- Self-sufficient system with generator

## SYSTEM CAPABILITY

- Up to 4kW laser power
- 6-axis robot, all round movement
- Double hopper powder feeder set up

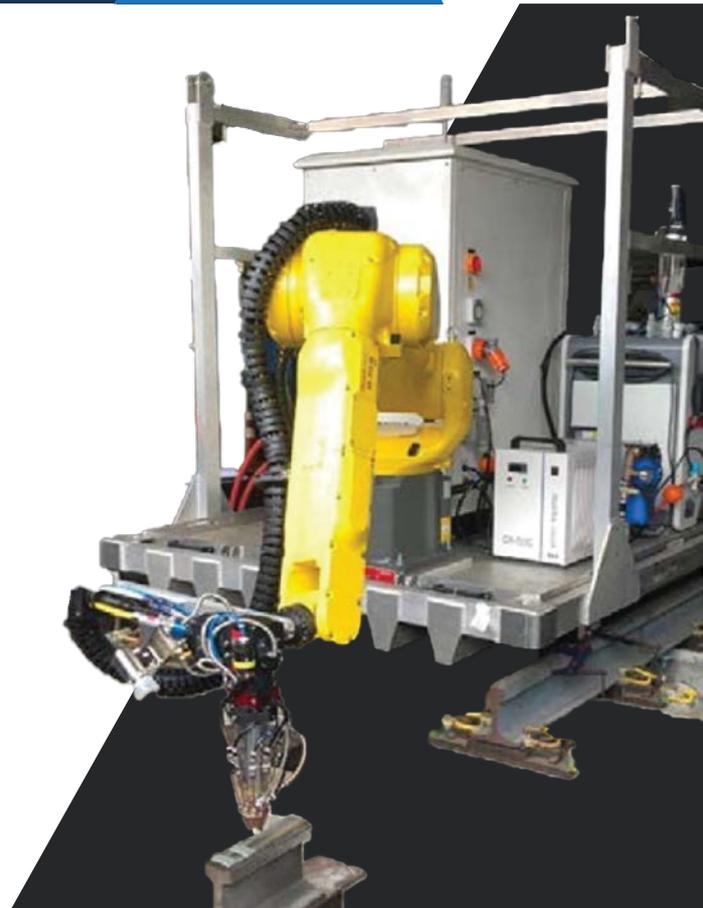
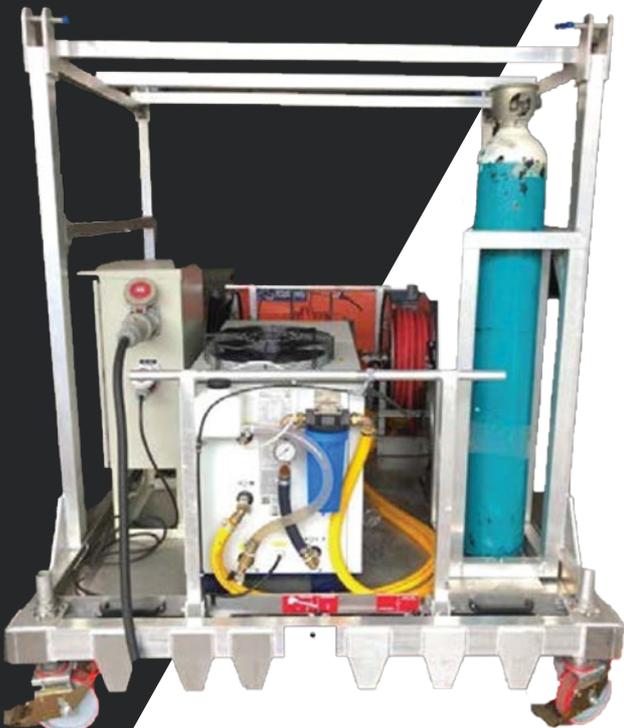
## LASER CLADDING REPAIR

on rail crossing nose defect



### TROLLEY 1

- Robot arm with LMD head
- Heat exchanger
- Control cabinet (robot/laser)
- Powder feeder (dual hopper)



### TROLLEY 2

- Chiller
- Argon gas cylinder
- Electrical distribution cabinet
- Reels for cables and hoses