



MINISTRY OF DEVELOPMENT OF
NORTH EASTERN REGION



Prime Minister's
Development Initiative
for North East Region
(PM-DevINE)

Digital Design and 3D Printing Center of Excellence in the Electronic Manufacturing Cluster (EMC) in collaboration with other Government Agencies located at Tech City, Guwahati

Visit by delegates from Thailand and Malaysia at 3dpcoe, Tech City, Guwahati





Demonstration of Digital Designing, Reverse Engineering & 3D Printing Technology across all Refineries of Indian Oil Corporation Limited viz GUWAHATI REFINERY/ DIGBOI REFINERY / BONGAIGAON REFINERY in Assam, Barauni Refinery In Bihar, Haldea Refinery in West Bengal, Mathura Refinery in Uttar Pradesh, Panipat Refinery in Haryana, Vadodara Refinery in Gujarat and Paradip in Odisha. The 3DP CoE Center has been able to break the Cyber Physical Barrier wherein a remote center in Guwahati has leveraged technology to provide designs and spare parts to the largest Central Public Sector Undertaking Maharatna Indian Oil Corporation Limited.



IOCL, Barauni, Bihar



IOCL, Mathura, Uttar Pradesh



IOCL, Vadodara, Gujarat



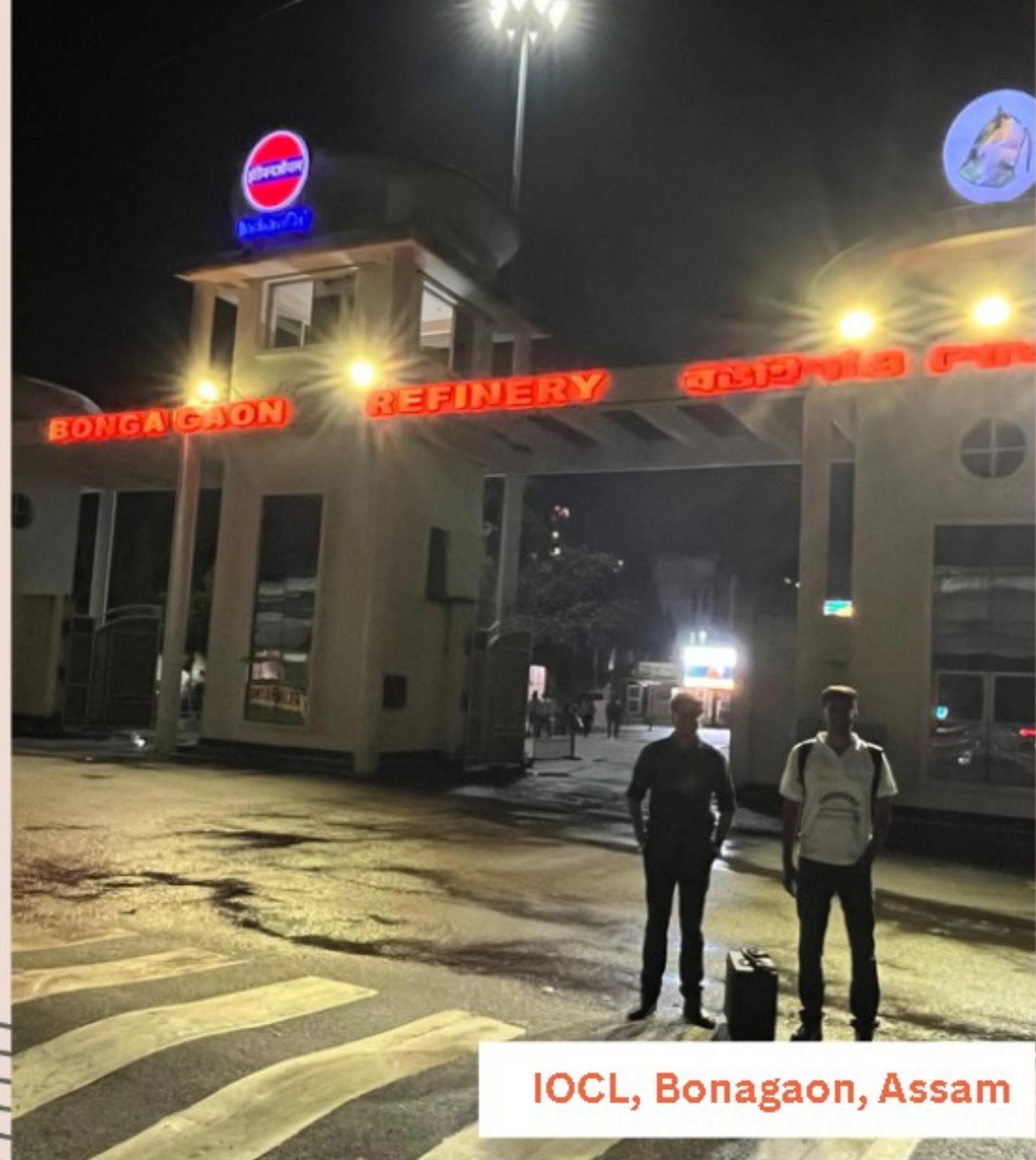
IOCL, Digboi, Assam



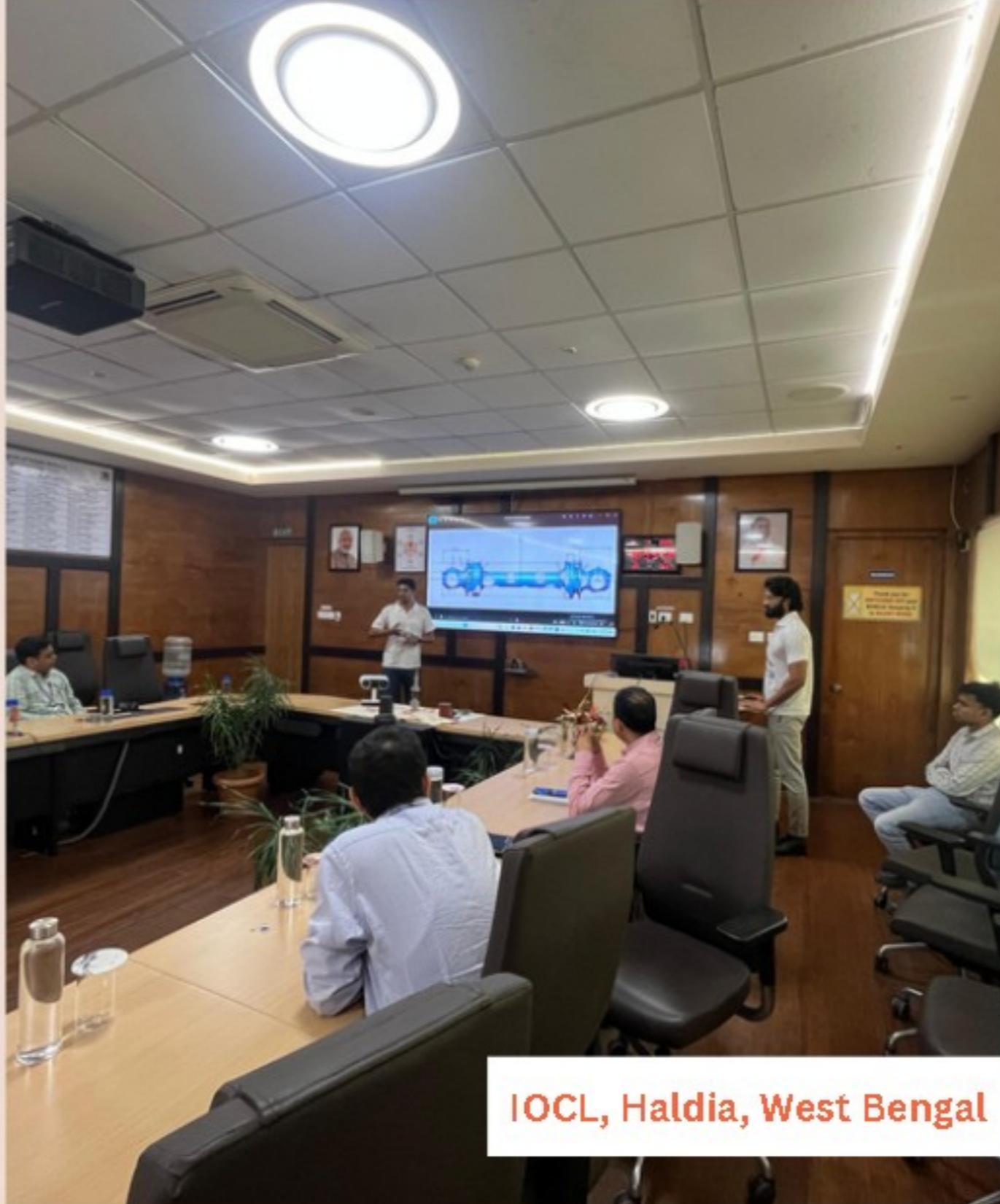
IOCL, Guwahati, Assam



IOCL, Panipat, Haryana



IOCL, Bongaigaon, Assam



IOCL, Haldia, West Bengal



IOCL, Paradip, Odisha



Under breakthrough innovation, under Make In India, an Impeller was designed and delivered to AOD, Digboi. Commissioned in 1901, the refinery is one of the oldest operating refineries in the world and known as the 'Gangotri of the Indian Hydrocarbon sector.' Earlier owned and operated by the Assam Oil Company Limited under/Burmah Oil Company, it came into the fold of the Indian Oil Corporation Limited on October 14, 1981 and became Assam Oil Division of Indian Oil Corporation Limited.

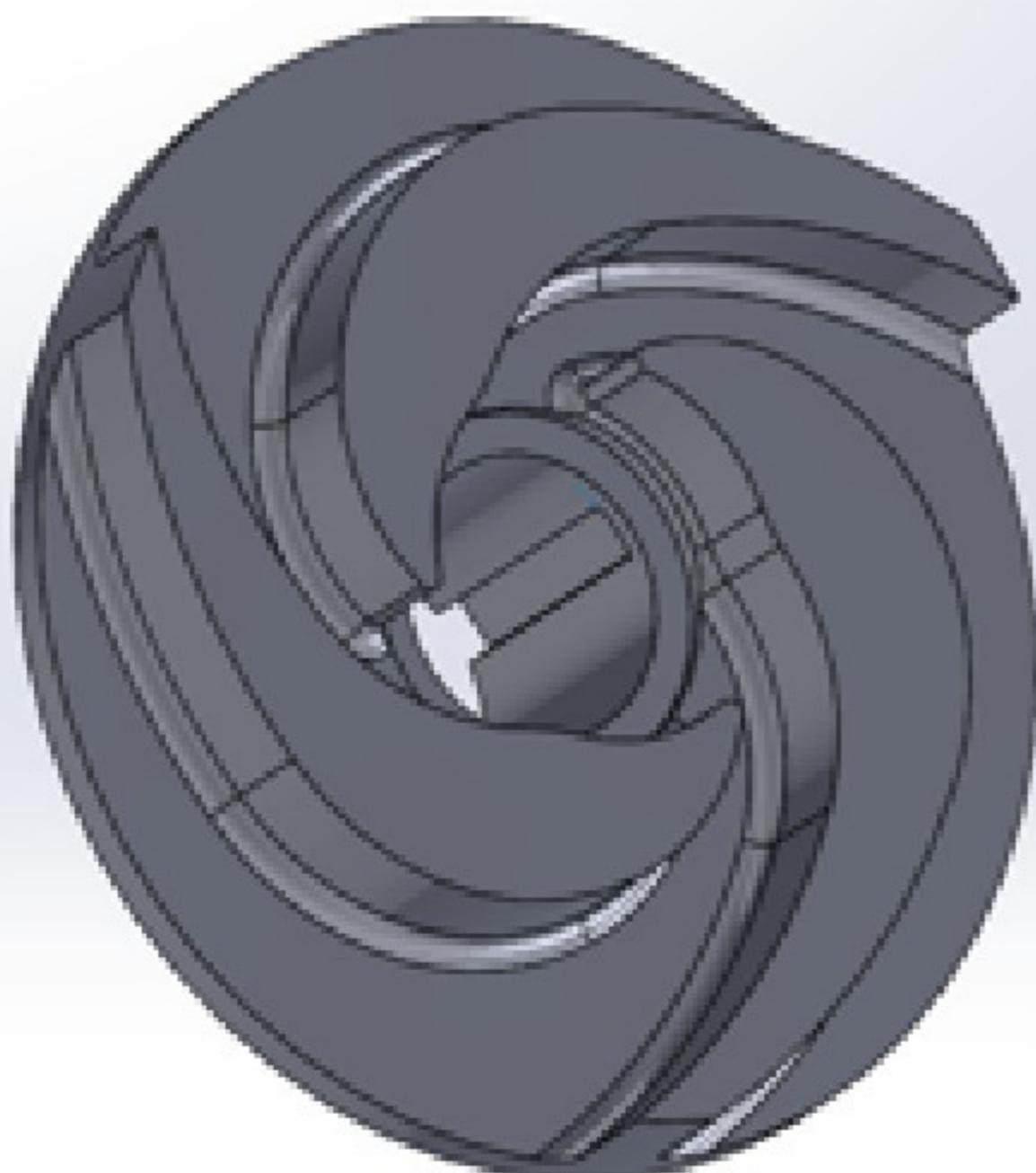
Part Scanning At IOCL Digboi



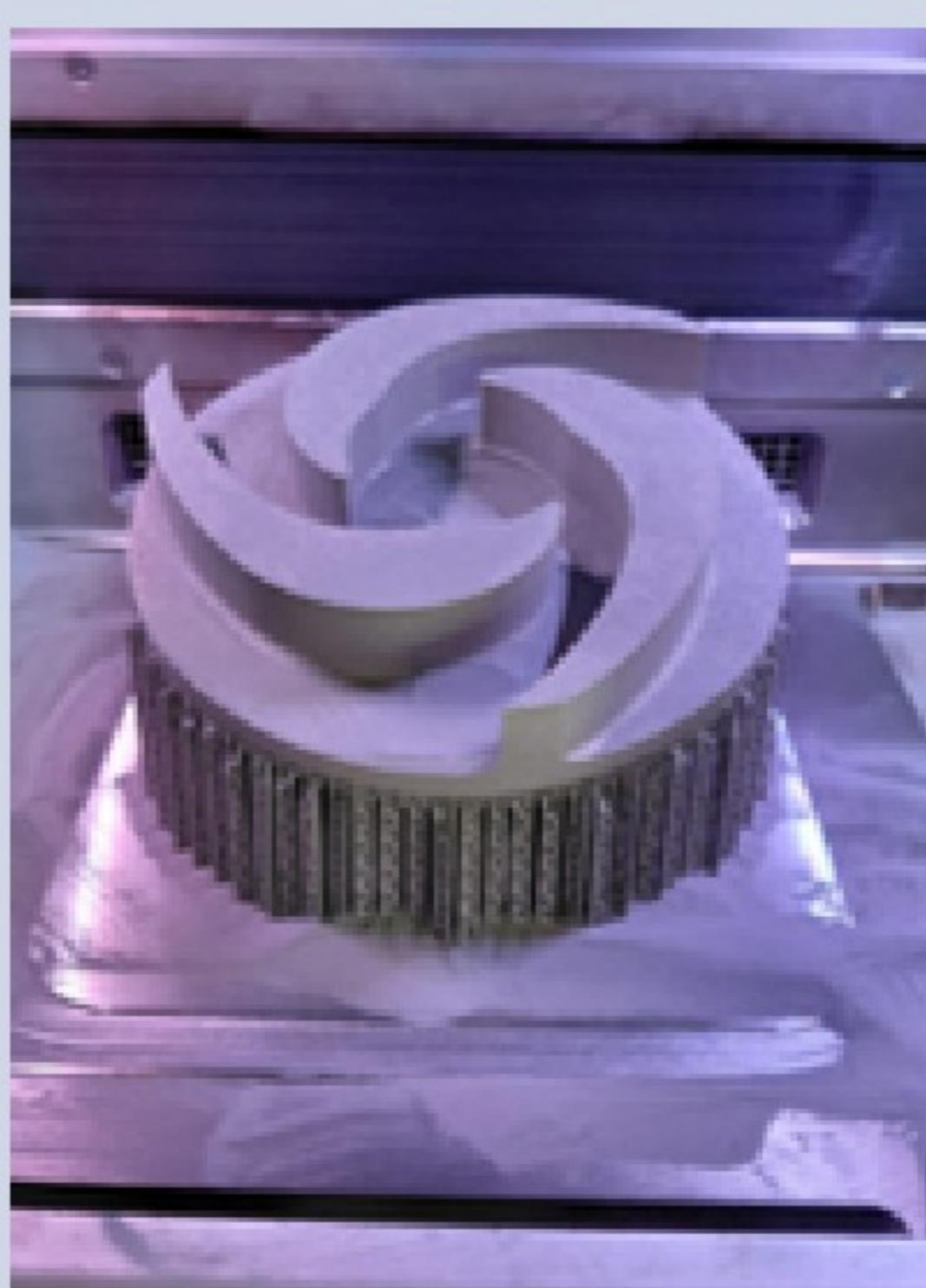
PICTURE OF PART AT REFINERY



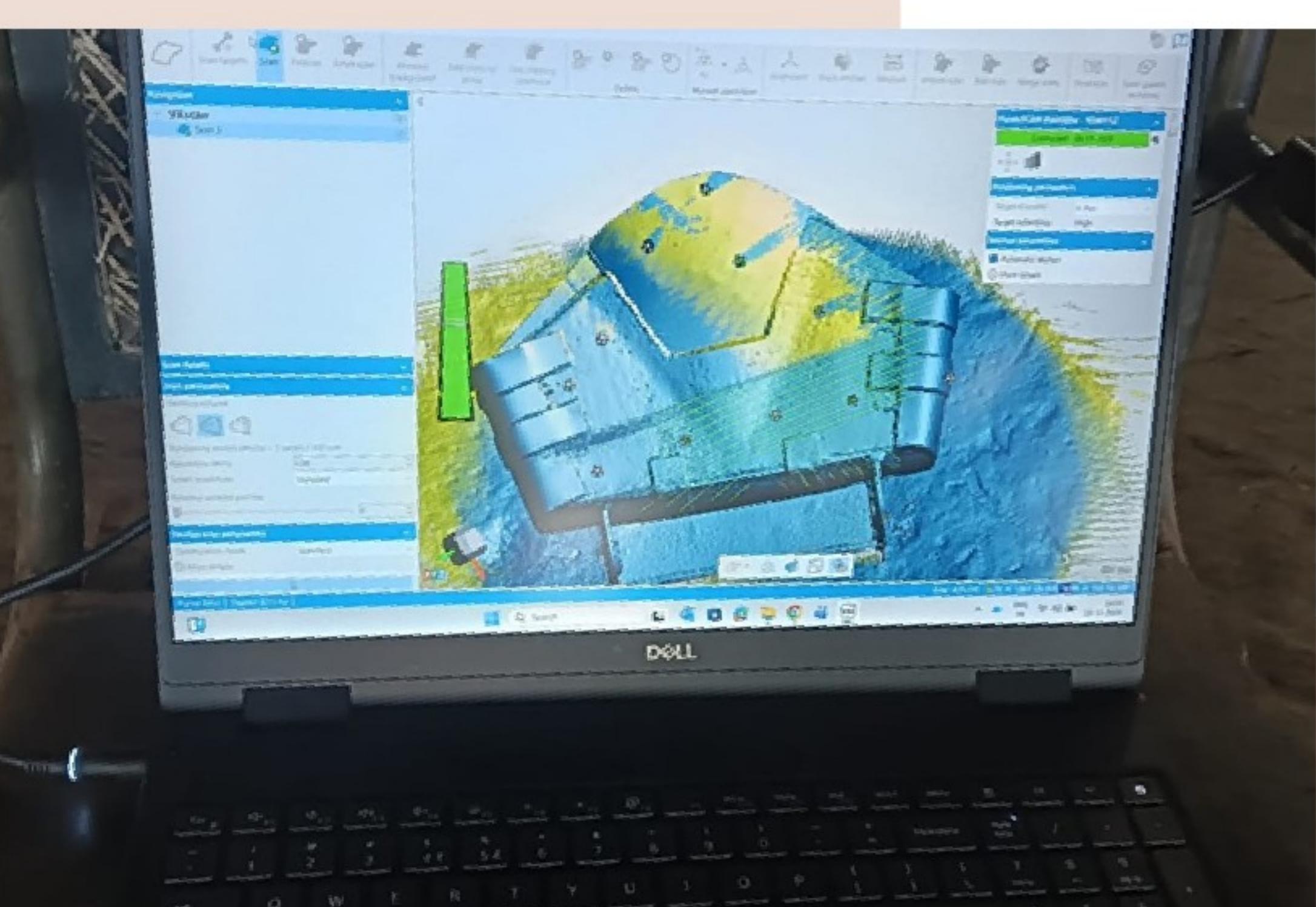
CAD MODEL



PART MADE AT 3DP COE



Digital Scanning of Spares at Hindustan Copper Mines



Workshop On Digital Designing & 3D Printing for Central Public Sector Undertakings Organised by The Department of Public Enterprises, Ministry of Finance, Government of India at New Delhi





Activities By Spoke At Assam University, Silchar

5 Days Training Programme on Digital Design and 3D Printing- level 1 at Assam University, Silchar



Visit by Adarsha Bangla Academy, Sribhumi at Assam University, Silchar



Digital Design and 3D Printing workshop at Kendriya Vidyalaya, Assam University Silchar



Visit by Assam Rifles officers at Digital Design and 3D Printing Lab, Assam University Silchar



Visit by B.tech Students from Assam University Silchar at Digital Design and 3D Printing Lab, Assam University Silchar



Visit by Major General Kulvir Singh, currently Serving as Commandant of the Counter Insurgency & Jungle Warfare School (CIJWS) in Vairengte, Mizoram
On 18th December 2025 at Digital Design and 3D Printing Lab, Assam University Silchar





Events With IIM, Shillong For Adoption of Industry 4.0 By MSMEs

“Empowering MSMEs of North East India Through Technology Intervention and Deployment of Industry 4.0” – A Two Day Seminar was sponsored by AMTRON & BSNL In IIM, Shillong from 19th – 20th December, 2025 having participation from across the region. In addition, an additional academic event: LEAD 2025 (Leveraging Emerging Technologies and Analytics By Development) was also held in IIM, Shillong from 10th to 12th December, 2025



Leveraging Emerging Technologies and Analytics for Development (LEAD)-2025

THEME: *Unlocking Human Potential*

10th - 12th December, 2025



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