



# Manufacturing Solutions Ireland 2023

Wednesday, June 14<sup>th</sup> and 15<sup>th</sup>, 2023

Technical University of the Shannon



<http://manufacturingsolutions.ie>



# TUS Moylish Campus



Large building



Over 400 parking spaces



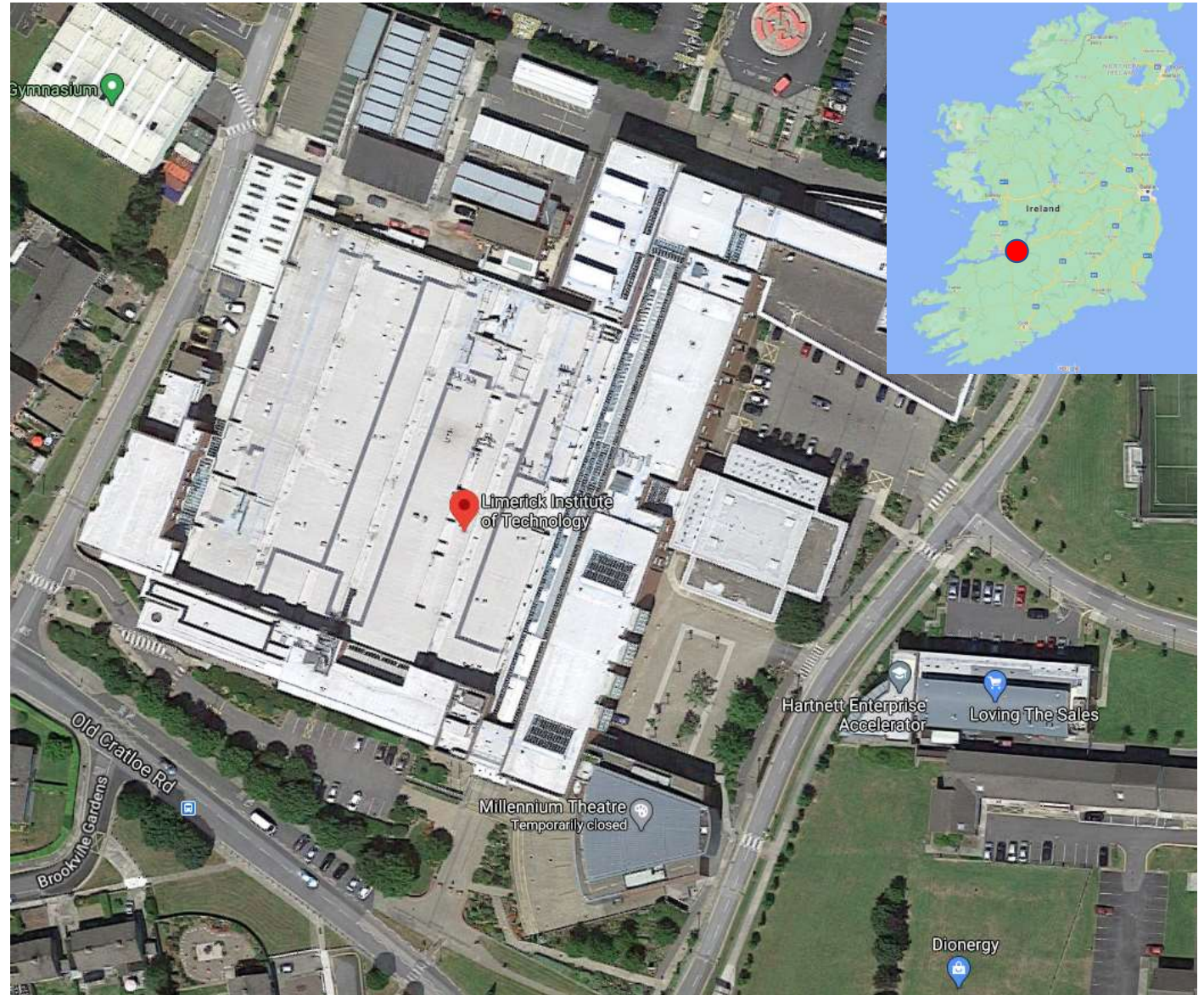
Restaurant Facilities



Easy Access



Long established record of industry engagement







## MS 2023 Preview

- 2 Day Event
- Over 1000 visitors expected
- 120+ UK/ROI Trade stands
- Technology Pavilion
- PTMA Trade Zone
- Meet the Manufacturer
  - SME/Multinationals
- Free Tea and Coffees
- Free Parking
- Networking Dinner, Wed 14<sup>th</sup> Strand Hotel



**SOLD OUT**





# Manufacturing Solutions 2023



## MS 2023 Preview: 4 Aspects

Flagship Event for PTMA

### Exhibition Zone

- 120+ Trade stands
  - 50/50 UK/ROI
- Technology Solutions
- Supply Chain
- Sub-Contract manufacturing

### IDEAM Green and Decarbonisation Conference

- 2-day event
- International speakers
- Decarbonisation of Manufacturing
- Technical presentations.
- Report on the Shannon Estuary Economic Task force.



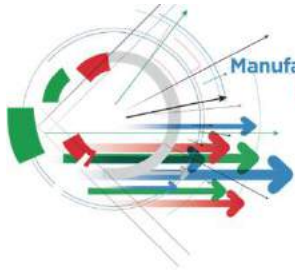
### Machining Pavilion

- CNC Machining and Automation:
  - CNC Demonstrations
  - Major CNC suppliers confirmed
  - PTMA companies networking

### Meet the Manufacturer

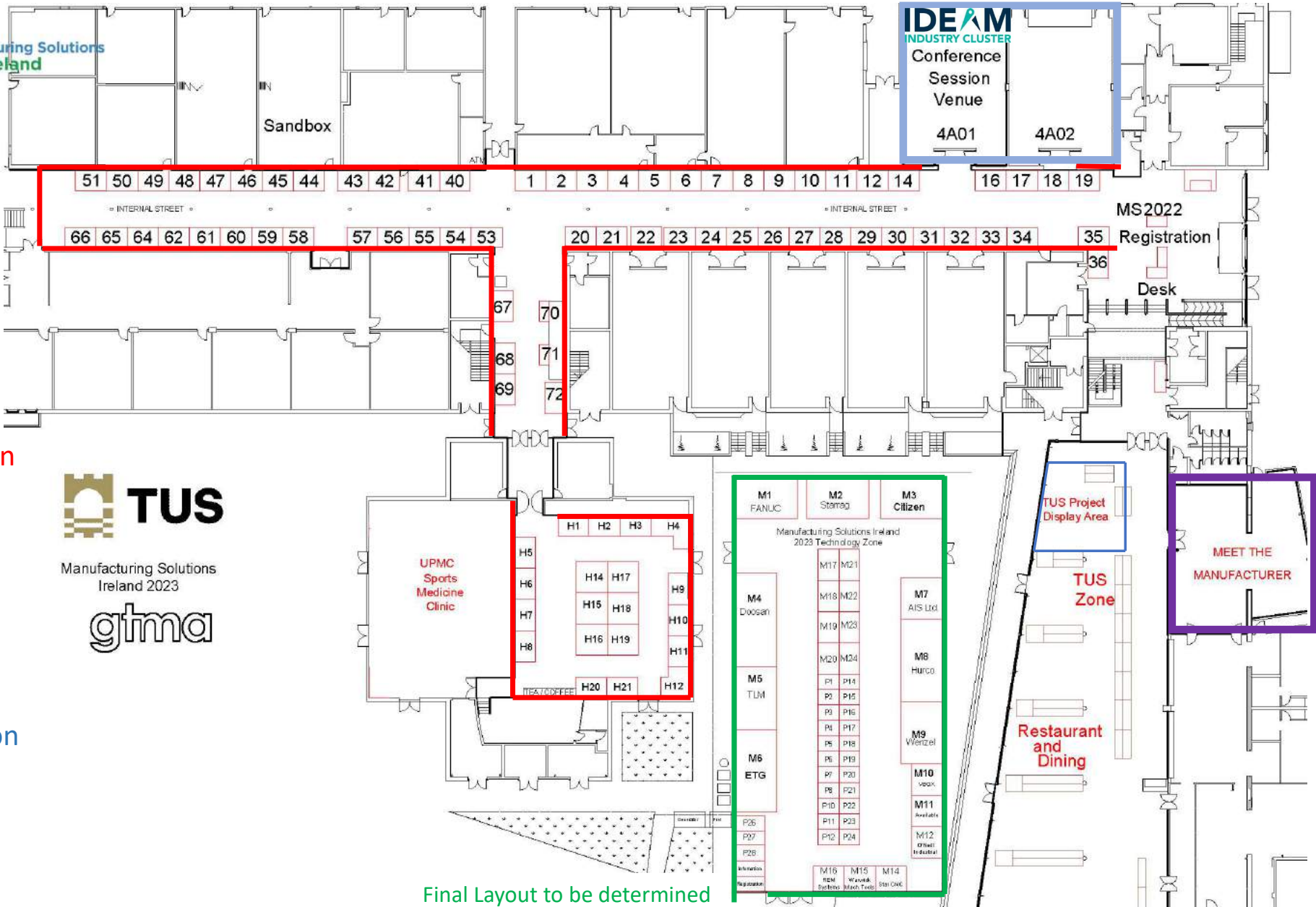
- Multinationals/ SME's and Suppliers
- Business to Business meetings
- Invitation to companies to participate





# MS 2023 Preview: 4 Aspects

1. Trade Exhibition
2. Technology Pavilion
3. Meet the manufacturer
4. IDEAM Decarbonisation and Green Conference







## Technology Zone

- ETG –Nakamura
- ETG – Mitsubishi EDM
- Doosan – 5 Axis
- Fanuc – Robodrill and automation
- Starrag-
- Citizen
- Hurco ; lathe and mill.

## Smaller Stands

- REM systems
- Nikken
- Star
- HW Machine tool





# DIGITAL AND GREEN MANUFACTURING



Lecture Hall 4A01 on Main Street  
14<sup>th</sup> June 2023

## Key Themes

1. Decarbonisation of Manufacturing in Ireland Best Practices
2. Advanced Manufacturing Collaboration and Projects
3. Industry based Case Studies.
  1. Rolls Royce
  2. Zimmer Biomet (Shannon)
  3. AMIC Northern Ireland
4. Data Acquisition and Visualisation
5. National and European Funding Supports and Successes

Subject to change

Lecture Hall 4A01 on Main Street  
15<sup>th</sup> June 2023

## Key Themes

1. European Institute of Innovation & Technology (EIT) - European manufacturers together
2. EIT international networking opportunities
3. Shannon Estuary Economic Taskforce outcomes and implementation
4. Energy and CO2 reduction solutions.
5. KPMG Report

# Meet the Manufacturer Face to Face meetings June 14th & 15th, 2023.

TUS and the Gauge and Tool Makers  
Association (GTMA)

## Meet the Manufacturer

- Simple process for companies.
- Suppliers request a meeting
- Manufacturers select suppliers
- 10 x 15-minute B2B meetings.
- Managed meetings by TUS/GTMA
- Effective use of time
- More companies welcome.







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# Apprentice Programme Structure

## **PTMA Consortium Led Development PTMA/TUS Precision Machining and Quality Control**

### 3-year duration

- Minimum Entry: Leaving Cert with Ordinary Maths as a core requirement
- Employer led recruitment
- Relevant programme to production environments.

### On-the-Job

### Two proposed off-the-job modes

- Block release each year of 15 weeks (preferred)
- Possible Day release 2 Days per week for academic year (demand dependant)

### On-the-Job

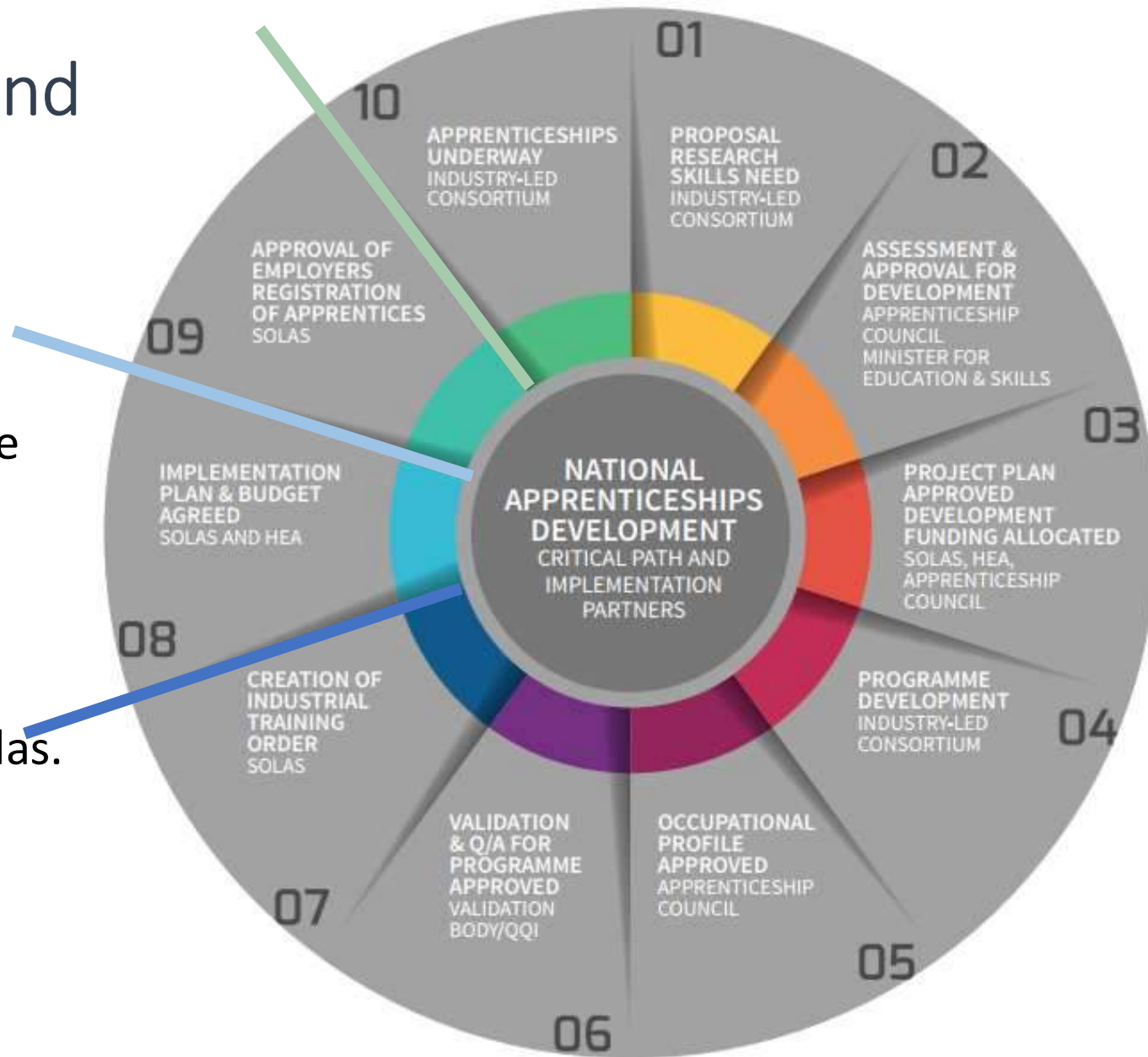
- Responsibility of the employer to progress Skills, Knowledge and Competence.
- On the job assessments will be required
- On the job online log-book and tasks to be completed.

# Precision Machining and Quality Control

## Next Steps:

### Currently stalled at Step 8

- Capital Equipment Budget to be agreed.
- Delayed start to first block.
- Employers to be visited by Authenticator Officers from Solas.
- Registration of Employers
- Registration of Apprentices.
- Programme begins







## Precision Level 8



- First Level 8 Graduates this year.
  - Very successful first year of implementation
- Healthy demand on CAO.
  - Industry promotion helping rebuild awareness
- Part-time student access to programme very valuable.
  - 6 Toolmakers joined Year 3 this year.
  - Some full time, some part time
- Work placement in January 2025 for current first years.
  - Need to grow numbers to meet demand.

# Access to Precision Engineering Programmes

