



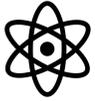
Irish Manufacturing Research

Research & Technology Organisation

ADVANCED MANUFACTURING IRELAND



Region: Ireland



Technology: 3D printing, Data Analytics, IoT, CPS, Robotics & Software



Introduction: IMR is an independent RTO with an extensive network of SMEs and multinationals in multiple industrial sectors, across all Ireland. Two Innovation Labs, run by very high-profile research staff that accrues over 400 years of manufacturing industry experience.

Why the hub?

“Enabling Ireland to achieve global leadership in advanced manufacturing through industry-supported research”

- Coordinating the development of a national framework for Industry 4.0
- Delivering a one-stop-shop to access the national ecosystem in Ireland
- To support and strengthen the manufacturing industry for the future through development and transfer of technology, skills and knowledge.

Services



1. Shared research programming through public co-funded RDI
2. Contract research, testing and validation
3. Training and education
4. Community-building activities
5. Support new businesses and startups

Partners



- Over 100 SME and multinational manufacturing companies from diverse sectors including medical devices, biopharma, ICT, engineering, aerospace, food, etc.
- Universities and Institutes of Technology throughout Ireland and abroad
- Government and Enterprise Agencies

Use cases



1. Project NOISE - Product tracking for production flexibility: Introduction of digitization to increase flexibility in manufacturing processes.
2. Project MEDTECH - Predictive Maintenance: Design, development and deployment of an intelligent predictive maintenance system for SMEs presenting low levels of data acquisition, data availability or data systems
3. Project ZERO - Supply-chain integration: Data sharing throughout the supply chain, leading to zero defect manufacturing

Finance



The funding model target is a 1:1:1 program (State: Industry: Competitive Funding), with an initial public investment of €15m and several million Euro in competitive and industrial funding to date.

Next steps



Implementation of industrial-scale pilot activities to provide a test-bed for industry-focused research, based on the outcomes of the national steering committees.

- Phase 1, to be commissioned in Q4'17, will be focused on Additive Manufacturing
- Phases 2&3, scheduled for 2018+, will develop Industry4.0 and Cobotics pilot lines as Public-Private Partnerships