

Engineering & Industrial Technologies Industry in Ireland



Ireland. Right Place **Right Time**

Main Sectors



Industrial Automation



Aerospace



Automotive



Clean Technology



Architectural Engineering & Construction Services

Current impact of Foreign Direct Investment (FDI) in Ireland

A wide range of **Industry sectors** are located in Ireland.

9 of the top 10

global software companies



9 of the top 10

US ICT companies



9 out of 10

of the world's top 10 Pharma companies



7 of the top 10

Global Automation companies



13 out of 15

of the world's top Medical Technology companies



3 of the top 4

Global Engineering Design firms



Track Record

Ireland has one of the most resilient supply chains in the world

ranks 4th of 130 countries

in the 2015 FM Global Resilience Index.

Ireland is one of the most economically free countries in the world

ranks 9th of 196 countries

in the 2015 FM Global Resilience Index.

Ireland

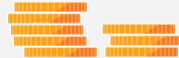
ranks 1st in Europe and 2nd in the world

as most competitive location for R&D

Fast Facts – Engineering Sector



Manufacturing sector accounts for **23% of GDP** (all IDA sectors)



€4.3bn exports



Increasing R&D Spend **€929million+** in Engineering, Medical Technologies & ICT



20,500+ employees – **1,500+** people (In-House R&D)

Activities Driving Growth and Innovation from Ireland

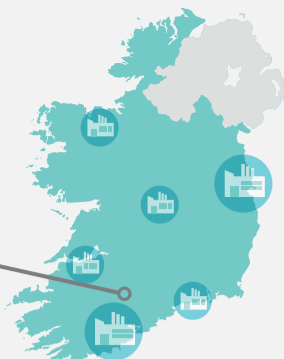


"This investment is a key component of ABEC's broader strategy to deliver integrated process solutions on a global basis. The Fermoy facility will increase our capacity and allow us to better support our growing customer base in Ireland and Europe. We sincerely appreciate the support of the IDA as we establish our unique capabilities in Ireland."

Scott Pickering, CEO, Abec Inc

220+

Engineering & Industrial Technology companies in **Ireland**



50 year record of successful investment

Advanced Manufacturing	Industrial Services	Technology Solutions	Global Business Services	R&D
LIEBHERR	SR Technics	Snap-on	IR Ingersoll Rand <small>Expanding Progress™</small>	Henkel
SULZER PUMPS	Lufthansa Technik <small>More mobility for the world</small>	GEA	AVERY DENNISON	Valeo
MAGNA <small>A Ford Enterprise Corporation</small>	CURTIS WRIGHT	BAE SYSTEMS	DOOSAN	Thermo King
Honeywell	WOOD GROUP	PILZ <small>THE SPIRIT OF SAFETY</small>	SANDVIK	CAMERON
KOSTAL	Rockwell Automation	GM <small>WOOD GROUP</small>	AIRBUS HELICOPTERS	United Technologies
Henkel				

Key Trends in Irish Operations:
Ongoing significant R&D investments; Winning new shared services based mandates; Focus on technological solutions.

Key Academic Industry Collaboration Centres

Manufacturing Competitiveness	Processing Advanced Materials /Sensors	Energy Renewables/Smart Cities/Smart Grid	ICT Networks/Analytics/ Digital Platforms
Irish Manufacturing Research™ <small>Research & Technology Organisations Advanced Manufacturing</small>	AMBER	iERC <small>Integrated Energy Research Centre</small>	CeADAR
Lero THE IRISH SOFTWARE RESEARCH CENTRE	IComp <small>Irish Centre for Composite Research</small>	MaREI <small>Centre for Marine and Renewable Energy</small>	IC⁴ Cloud Computing & Convergence
SSPC <small>Strategic Skills Partnership Innovation Through Collaboration</small>	nibr	erc <small>electricity research centre</small>	Insight
nibr	Tyndall <small>National Institute</small>	ICHEC <small>Irish Centre for High End Computing</small>	MCCI <small>Manufacturing Cluster Centre Ireland</small>
	teagasc <small>Agriculture and Food Development Authority</small>		Lero THE IRISH SOFTWARE RESEARCH CENTRE
	DPTC <small>DIAMOND PROCESSING TECHNOLOGY CENTRE</small>		

Why Ireland for Industrial Automation?



Made in Ireland



German company, **Liebherr**, makes the largest product manufactured in Ireland – a container crane with a reach of 70 metres or 25 container widths. Made in Killarney, these cranes are used to load and unload the largest container ships in the world.



North American company, **Magna**, manufactures high quality press moulds for the automotive industry. It produces light weight car doors and panels for Bentley, Aston Martin and the Mercedes SLS AMG (Gullwing) at its Carlow operation.



French company **Valeo** specialises in automotive electronics. Its Galway operation develops and manufactures driver vision systems that can park your car without you being in it! Half of all ventilators used in acute hospitals around the world are made in Ireland primarily by Medtronic in Galway.



A quarter of people with Diabetes, that is 30 million people globally, rely on an injectable device manufactured by **Becton Dickinson, Nypro** and **West Pharma** in Ireland.



80% of the global supply of stents are manufactured in Ireland by **Medtronic, Boston Scientific, Abbott Vascular** and others.