Nanoscience is the study of materials on the nanoscale, which affects every type of manufactured product you can think of.

1,000,000 times smaller than a grain of salt — that’s the nanoscale.

NANOSCIENCE GLOBALLY

Nanoscience is changing the face of manufacturing in medicine, energy, transport, and technology.

The global nanotech enabled market has grown from €420M to €524BN in the past decade.

NANOSCIENCE IN IRELAND

In 2003 CRANN, the Centre for Research on Adaptive Nanostructures and Nanodevices, was established in TCD with just 6 researchers working with 4 companies. Today, 10 years later it has –

300+ researchers employed
100+ companies partnered with
€50M from industry and international funding
50+ patent applications

DECADE OF INNOVATION

Over the last 10 years, €300M has been invested in nanoscience in Ireland from Government and EU funding.

Nanoscience is linked to –

€15BN* or 10% of Irish exports
250,000 Irish jobs

Ireland has attracted
90% of the world’s medical tech companies
70% of the world’s tech companies

Ireland is at the forefront of research –

1st in EU for ERC starting grants in nanoscience
6th worldwide for nanoscience research
8th worldwide for materials science research

TOWARDS A GIANT FUTURE

2013
€1BN
EU investment in graphene flagship project
2015
$2.5TN
Global nanotech market growth
2016
20,000
more manufacturing jobs projected in Ireland

*Factsheet – Ireland’s Nanotechnology Commercialisation Framework 2013-2016