



# MeTRIC

15 Specialist Research Centres Tissue Engineering  
150+ Researchers

BioPhotonics Micro Machining **Plastics**  
Finite Element Analysis GMP Stem Cells



## Capacity and Capabilities



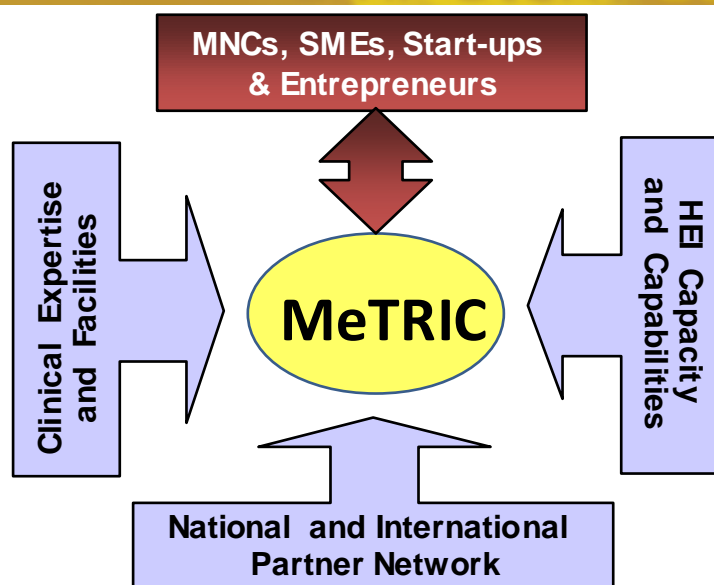
**BioMedical Engineering**  
**Clinical Research Facility**  
**Materials & Surface Sciences Institute**

NCBES National Centre for Biomedical Engineering Science National University of Ireland, Galway  
 REMEDI  
 MSSSI  
 bdi  
 STOKES INSTITUTE  
 NFB  
 applied Optics  
 Ait Materials Research Institute  
 UL Medical School  
 GMEDTECH GALWAY MEDICAL TECHNOLOGIES CENTRE

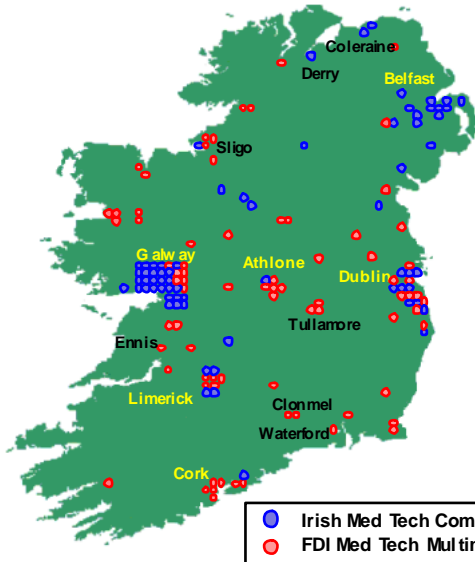
## Vision

- ❑ National Research and Innovation Hub for the Med Tech sector
- ❑ Provide Expertise, Specialist Services and Innovative Interactions
- ❑ Enhance Ireland's position as a Global Med Tech Cluster

## Architecture



# Ireland's MedTech Industry Cluster



## Med Tech Industry:

### Industry has...

- ✓ ... 9 of 10 leading global players
- ✓ ... 25,000 Jobs - 60% in the Mid west and West
- ✓ ... ~200 companies
- ✓ ... €7.2bn exports annually

### Increasing Focus on ...

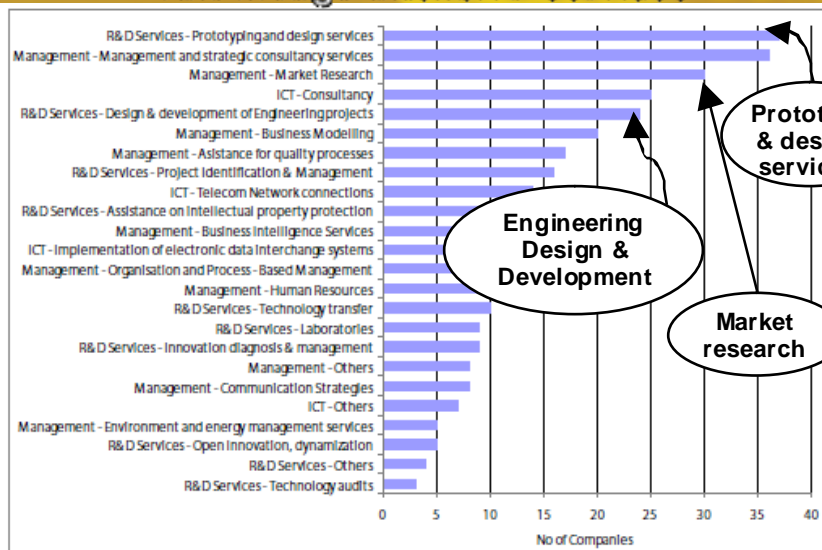
- ✓ ... Research & Development
- ✓ ... Product Innovation
- ✓ ... Technology Convergence

### Enhancing the Cluster requires ...

- ✓ ... Industry Partners
- ✓ ... Research Institutions
- ✓ ... Clinicians
- ✓ ... Investors / Funding

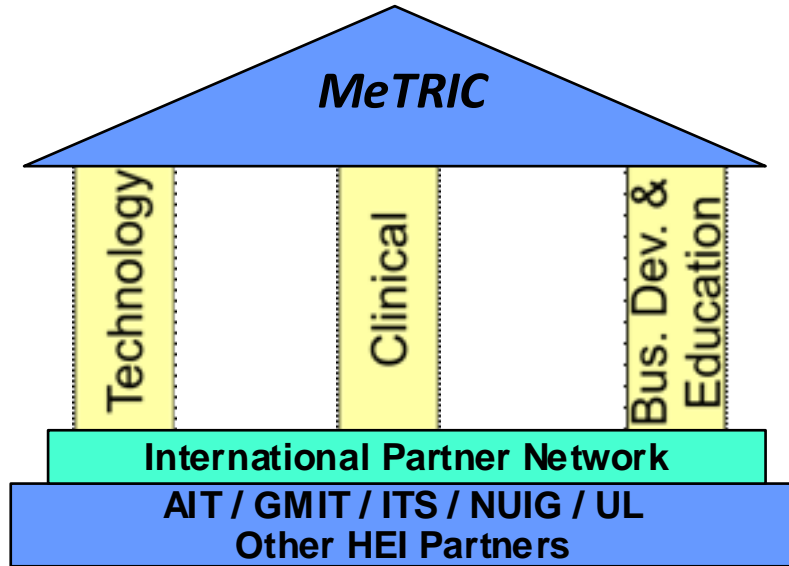
# Industry Needs – BMW Survey

## Knowledge Intensive Services

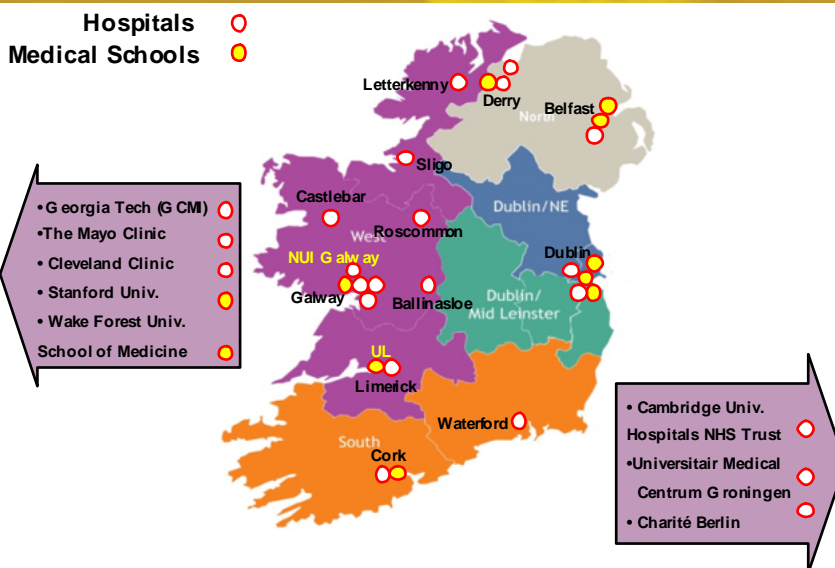


Source: WESTBIC Survey of Companies in the BMW Region 2010

# MeTRIC Consortium



# Clinical Linkages



# Track Record

- > 200 Med Tech Projects in the last 5 years  
Valued at > € 100M
- >80 patents filed
- 16 Start-up companies in last 3 years
- More than 200 PhD graduates trained for Med Tech in the last 3 years

- Clinical Activities
  - Phase I II III Clinical Trials - including 8 Device Trials
  - Pre-Clinical Studies  
Devices, Drug Delivery & Tissue Engineering
  - Clinical Services
    - GCP Trained Staff
    - Regulatory & Ethics Submission
    - Protocol Design

# Track Record





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Finite Element Analysis

Micro Machining  
Plastics  
GMP Stem Cells



Border, Midland & Western  
Regional Assembly  
Investing in Your Future



Applied Intelligence  
Technology  
AIT



GMT  
Gallagher Manufacturing  
Technology Centre



IT Sligo



NUI Galway  
OÉ Gallímhé



UNIVERSITY of LIMERICK  
UNIVERSITAS LIMERICKENSIS