



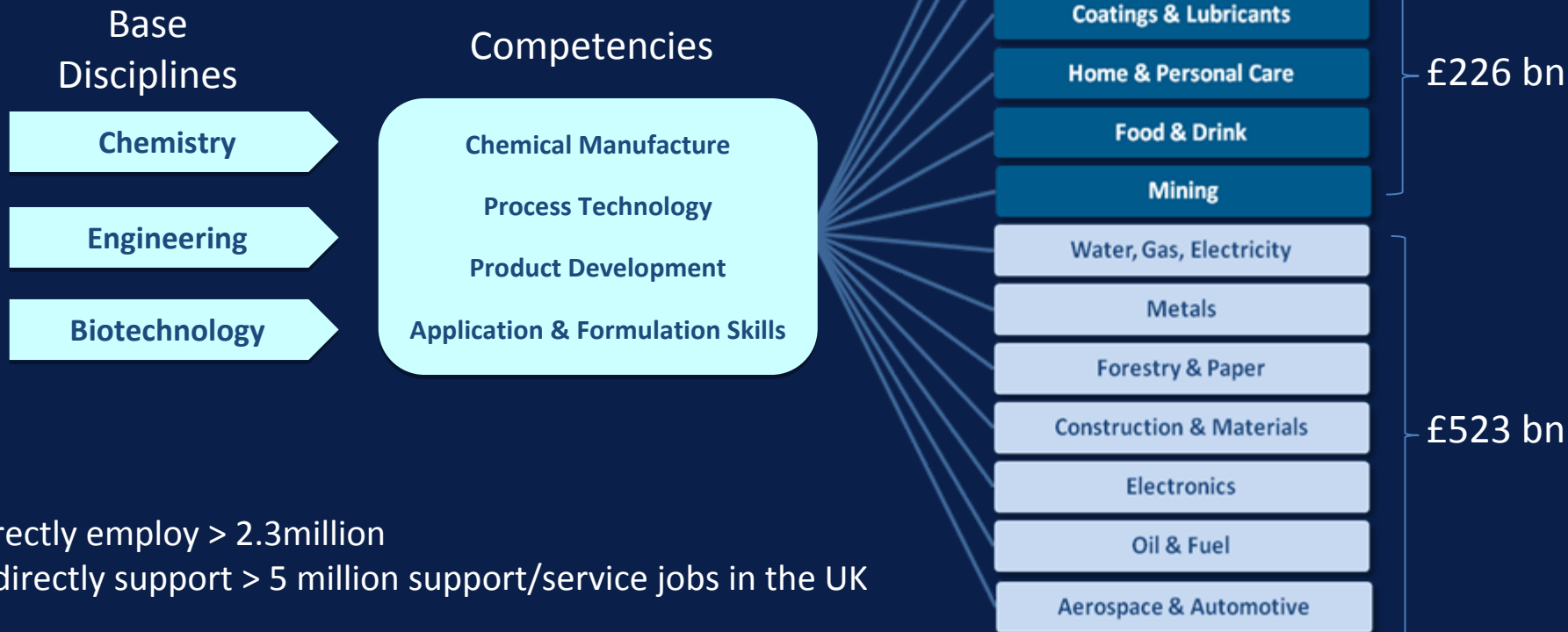
An Introduction to the Centre for Process Innovation

The Process Industry element of the UK's first
Elite Technology & Innovation Centre in High
Value Manufacturing

Opening the Innovation Accelerator

11th May 2011

UK Chemistry using Industries



directly employ > 2.3million
indirectly support > 5 million support/service jobs in the UK

From innovation to commercialisation

Source: 2009 R&D Scoreboard of Top 850 UK Companies - published by BIS

The Centre for Process Innovation

- CPI creates wealth by enabling companies of all sizes to develop next generation products & processes quickly and efficiently at minimal risk
- We fill the gap between academic research and industry
 - We combine *market pull* with *technology push*
 - We are business-led, providing technology and capability to Industry
 - We complement and commercialise university research and knowledge
- We are the leading Process Technology and Innovation Centre in the UK
 - Benchmarked against Fraunhofer in Germany and VTT in Finland
 - We are creating a National centre located in the North-East
 - We are world-class in our aspiration and performance
 - A 50:50 public:private partnership
 - 140 highly qualified professionals, £55m of assets

From innovation to commercialisation



Industry & Peers

Academia & Partners

Many on our Advisory processes to advise on the market, technology direction, fore-sighting and research

THORN



CORNING



Thomas Swan & Co

C|D|T Cambridge Display Technology

Fraunhofer

CIKC CAMBRIDGE INTEGRATED KNOWLEDGE CENTRE

Imperial College London



Plastic Logic



Technology Strategy Board
Driving Innovation



Polymer Vision



EASTMAN



Johnson Matthey



ARUP



TATA
Leadership with trust



BIS | Department for Business Innovation & Skills



syngenta

P&G



U.S. Army Research Laboratory



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UNIVERSITY OF CAMBRIDGE



From innovation to commercialisation

cpi ...the future inspired

An Economically significant contribution

	Yrs 1-5	Actual To date	Yrs 6-10	Yrs 11-15	Total
FTE Jobs – protected and new	650	2,700	1500	2000	4150
Business attracted or created	5	130	20	30	55
Business supported	10	2,900	35	40	95
New Products and Processes	10	>30	25	40	75
Private Sector Leveraged Investment	£50m	£504m	£200m	£270m	£530m

A total economic impact to date of £1.3bn on a public investment of £110m

From innovation to commercialisation

CPI Technology: Sustainable Processing



- National Industrial Biotechnology Facility
- National Anaerobic Digestion Development Centre
- Sustainable Processing & low impact processes
- Smart Chemistry and High Temperature Processing
- Underpin and develop a successful UK sector
- Asset base

From innovation to commercialisation



National Industrial Bio-technology Facility



Marine Fermenters



Corning Micro-reactors



Commercial Scale Pilot Plant

From innovation to commercialisation



CPI Technology: Printable Electronics



- National Development and Prototyping Centre
- High quality, low cost. low carbon displays, lighting and photo-voltaics
- £15bn UK potential market within 10 years – Top 3 global position
- UK academic leader
- PETEC Top 4 in the world potential

An Internationally Competitive Technology Innovation
Centre for Printable Electronics

From innovation to commercialisation



From innovation to commercialisation



The Centre for Process Innovation

www.uk-cpi.com

CPI receives funding from:

Moving Forward:
The Northern Way



Technology Strategy Board
Driving Innovation

BIS | Department for Business
Innovation & Skills

