

Fostering Open and Innovative relations between Academia and Government

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Consultancy | Innovation | Development | Support



Counter-IED



Countermeasures



Munitions



Pyrotechnics

Disclaimer

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Roke Manor Research | Company Snapshot



- Situated in Hampshire, UK
- 450 employees
- Over 350 world class scientists and engineers
- 50 PhD's and 110 Masters
- Secure Site

- Roke Manor Research is part of the Chemring European Electronics Division
 - Provider of contract R&D, technology consultancy and specialist products to the defence, national security and commercial markets
 - A remarkable range of competencies in communications, sensors and information systems
 - An inspiring strength of passion, commitment and loyalty and the work ethic is striking
 - Creating the technology of tomorrow and trusted by our Customers for solving really difficult problems with our brilliant minds!
 - Operating in a diverse range of markets and we work with an extensive range of external organisations
 - A discriminating, high quality and motivating working environment
 - Uniquely aligned with SMEs, Academia, Government Departments and Prime Contractors

Some Roke Highlights



ANPR



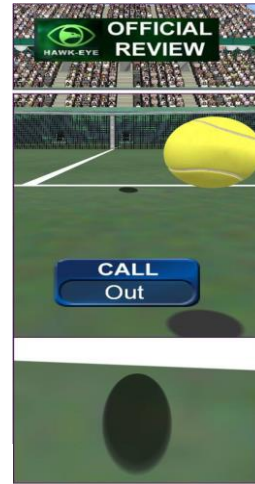
2G/3G Comms



DAB



Air Traffic Management (RVSM)



"HAWKEYE"



"4G" Comms



Congestion Charging



Sound Ranging



Phased Array Radar



Deep Packet Inspection



Super resolution DF



Manpack EW



Cyber-defence

Our Innovation journey

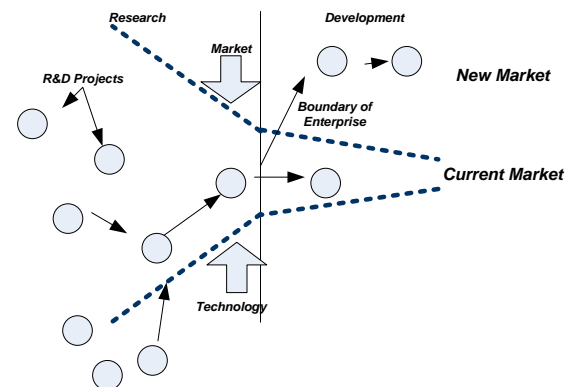
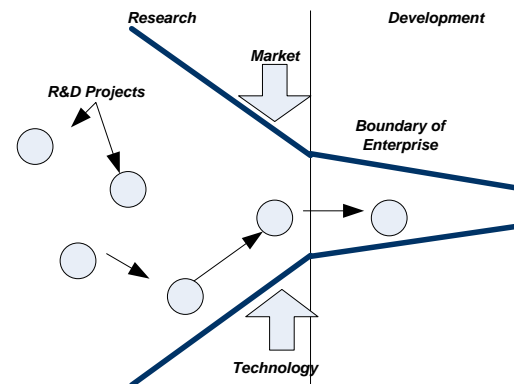
We should hire the best and brightest people
 In order to bring in new products and services to market, we must discover these ourselves
 If you want something done right do it yourself
 If we discover it ourselves we will get it to market first
 The company that gets an innovation to market first wins
 We control IPR so that the competition does not profit from our ideas



Not all the smart people work for us. We need to work with smart people outside the business
 External R&D can create significant value to us
 We don't have to originate the research to profit

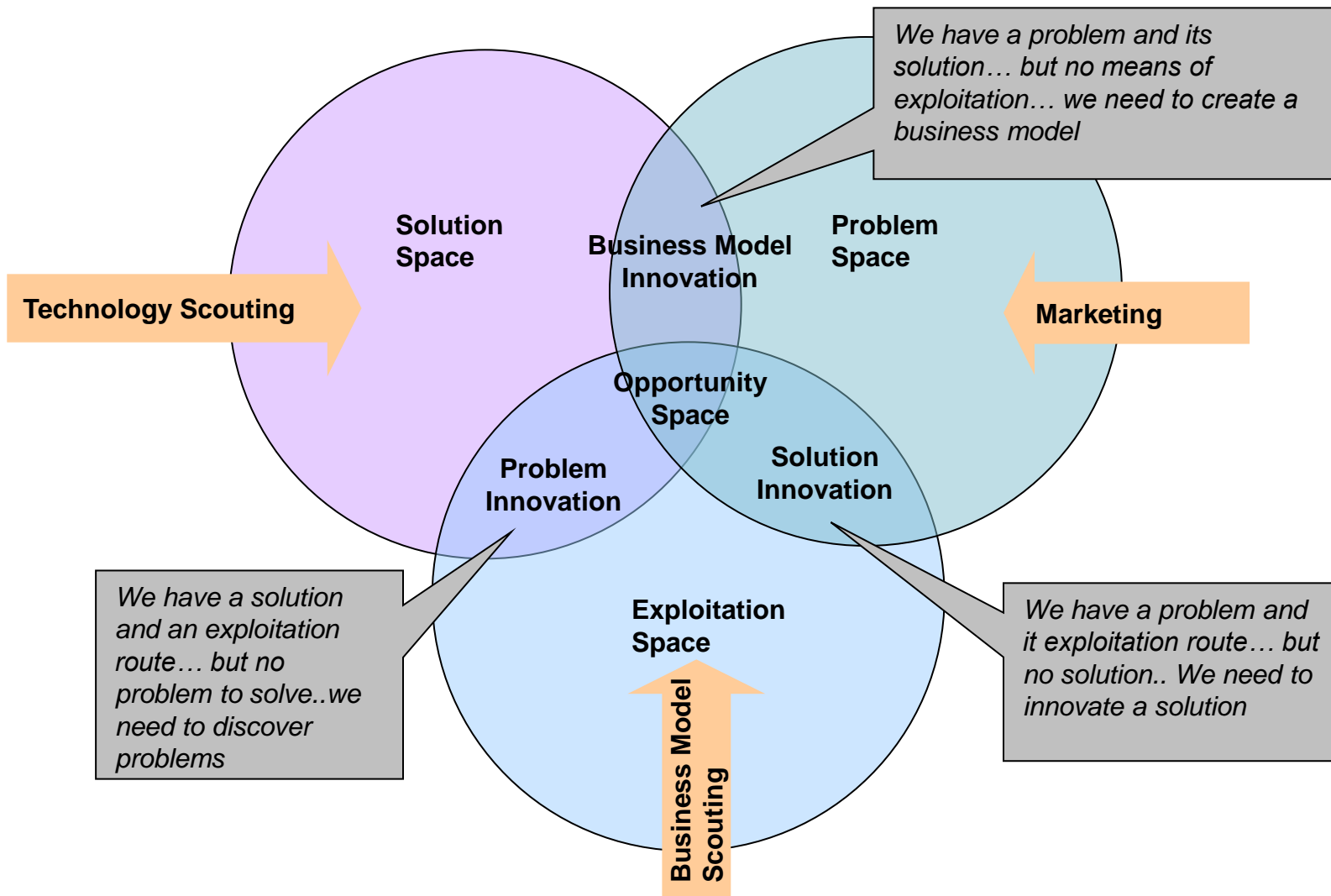
“Building a better business model is better than getting to market first”

We should profit from others use of our IPR and we should by other IPR when it advances our business model

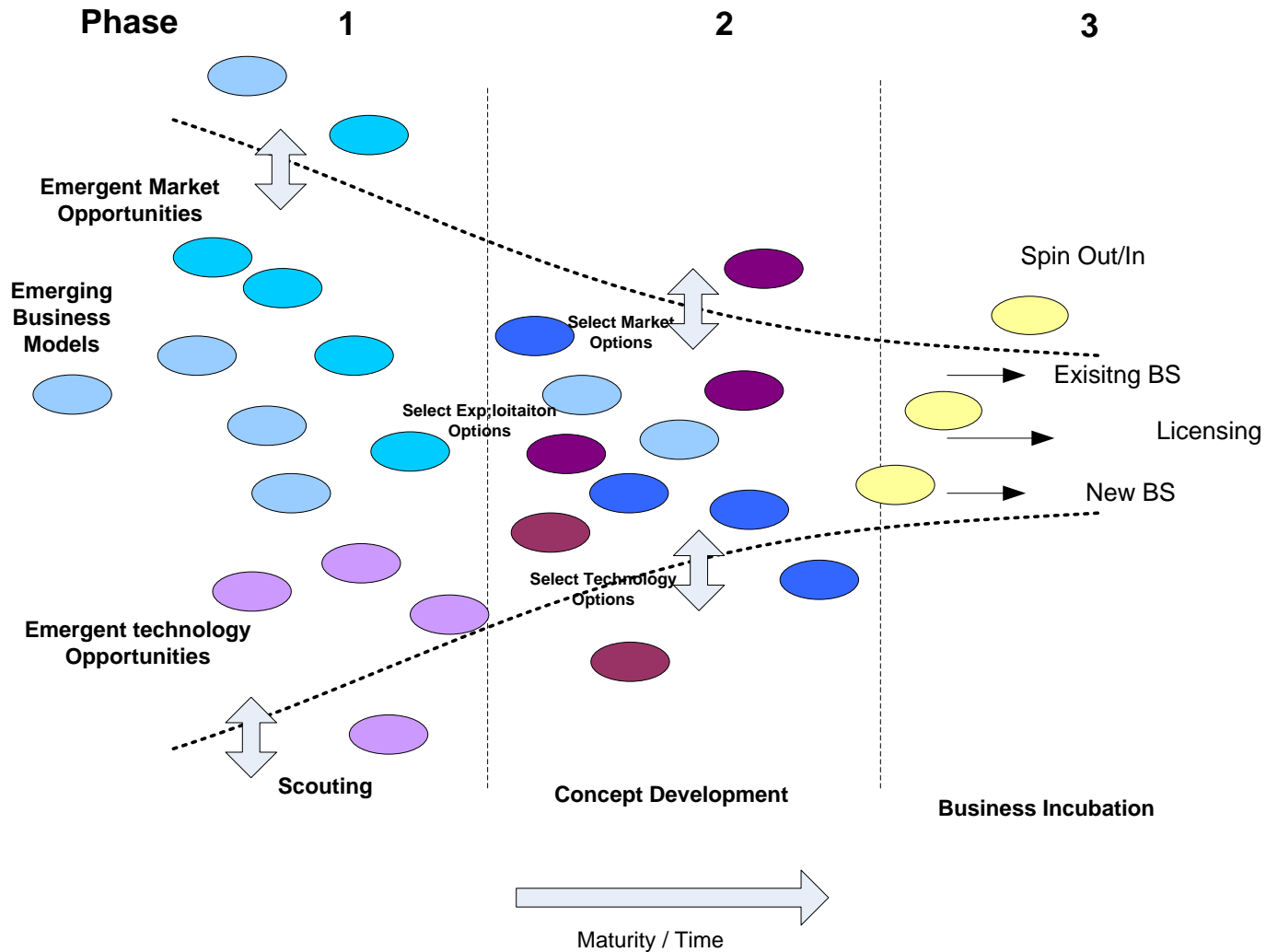


Ref H.Chesbrough: Open Innovation 2003

A simple operating model for Innovation

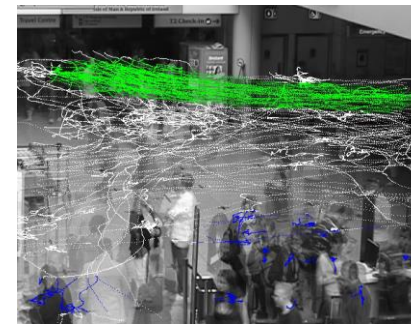
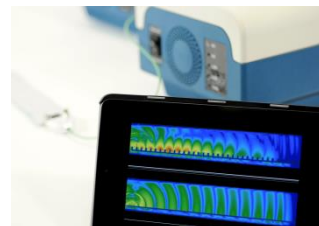
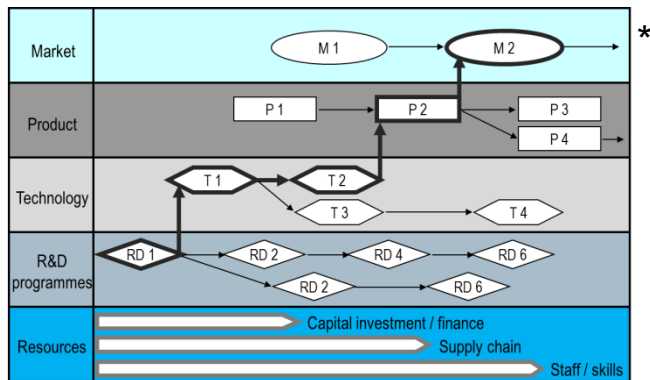


Our Innovation funnel



After Chesbrough

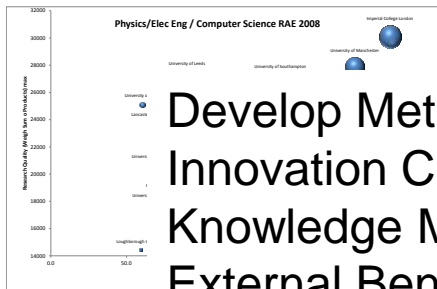
Creating a virtuous circle



Delivering Value



Manage market pull and tech push



Develop Metrics (BSC)
Innovation Challenges
Knowledge Management
External Benchmarking

Developing the culture

Industrial Liaison
Industry Advisory Committee
Alumni Networks
PhD/EngD Sponsorship
Collaborative R&D
Grant Support
Corporate Alliance
Cross lecturing
Government Networks /CDE

Build the Network

* T Plan – R. Phaal University of Cambridge

Some examples of Collaborative R&D

