Science Translation

Content

- What are Universities for ?
- Science translation
- Catapult Centre
- 1tr$ Healthcare opportunity
- Conclusion

What are Universities for?

Slide 3

Universities are for:

Amadeus Capital Partners

Teaching

Research

Science Translation

Science Translation

Slide 3
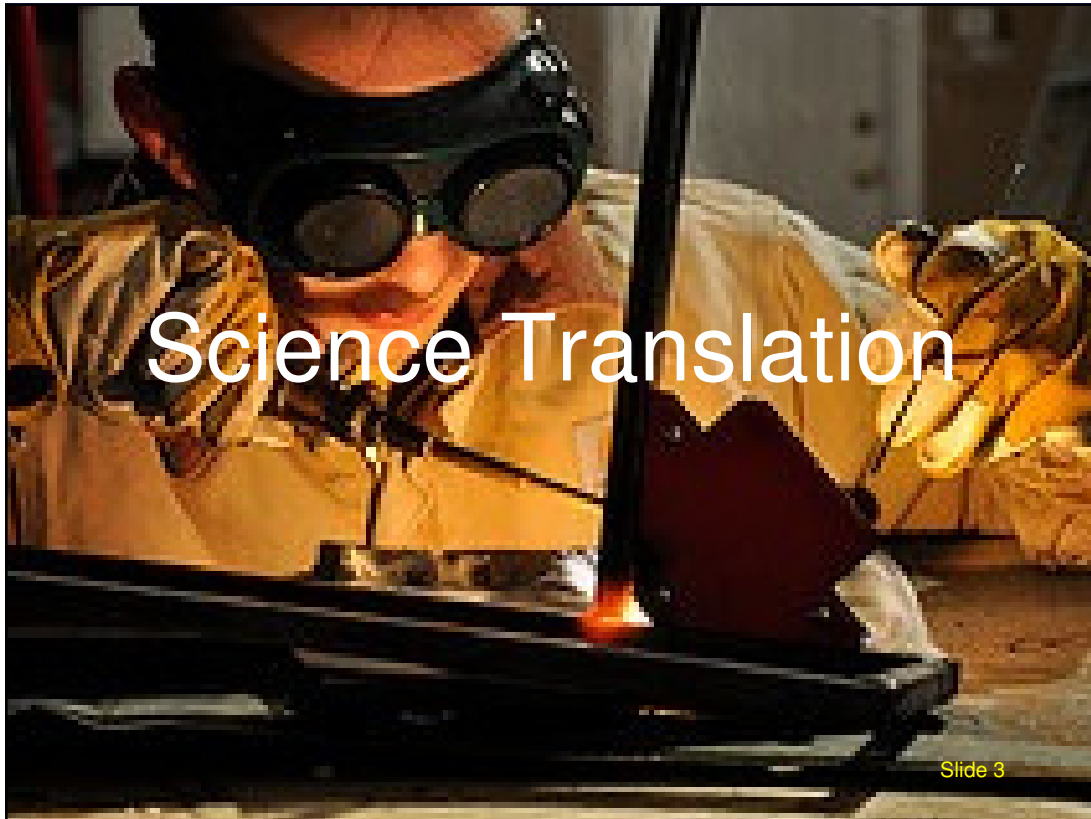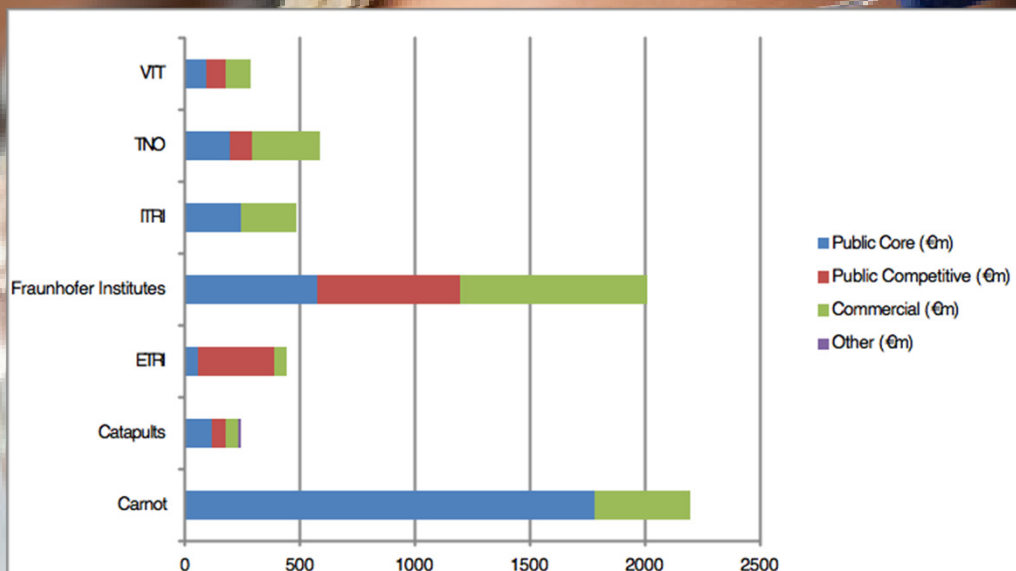

Science Translation

- UK has 4 of the top 10 universities in the world
- Citations second only to US
- Global #1 in quality publications per £
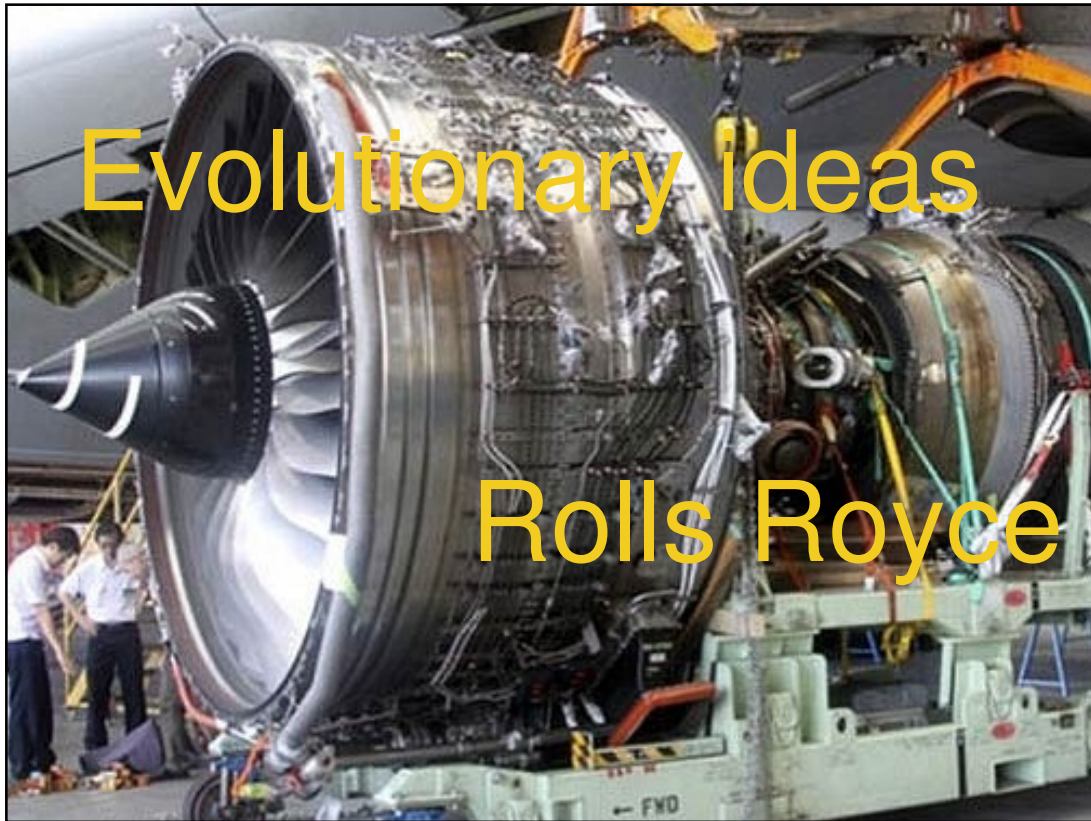- Translation spend disproportionately low

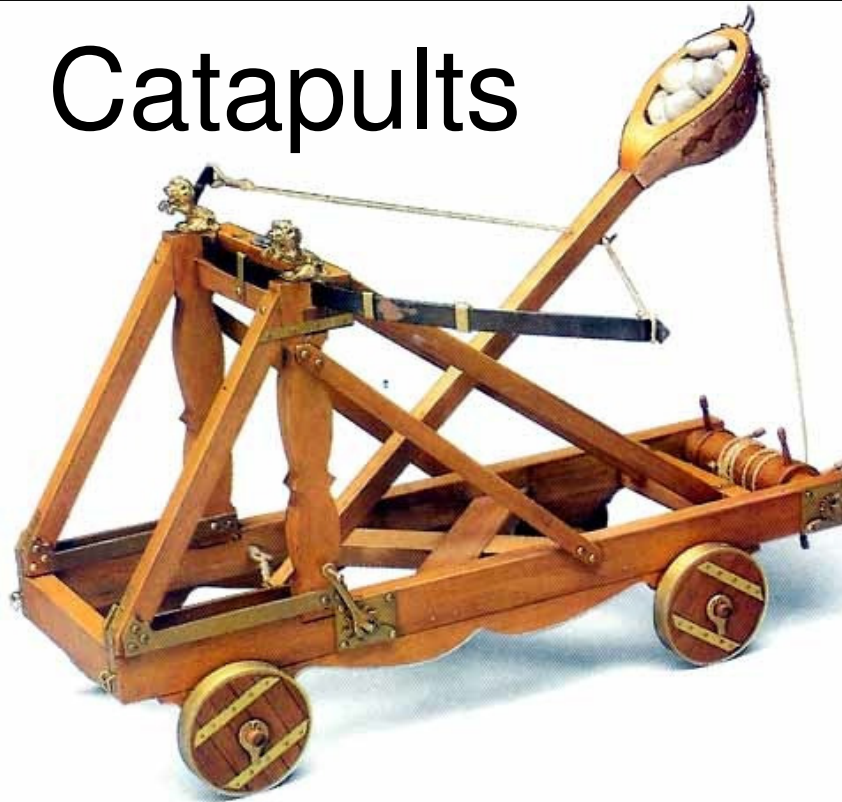Slide 46

Translation spend

Science Translation

- People
- Technology transfer offices
- Licensing for EVOLUTIONARY ideas
- Start ups for REVOLUTIONARY ideas
- Venture capital
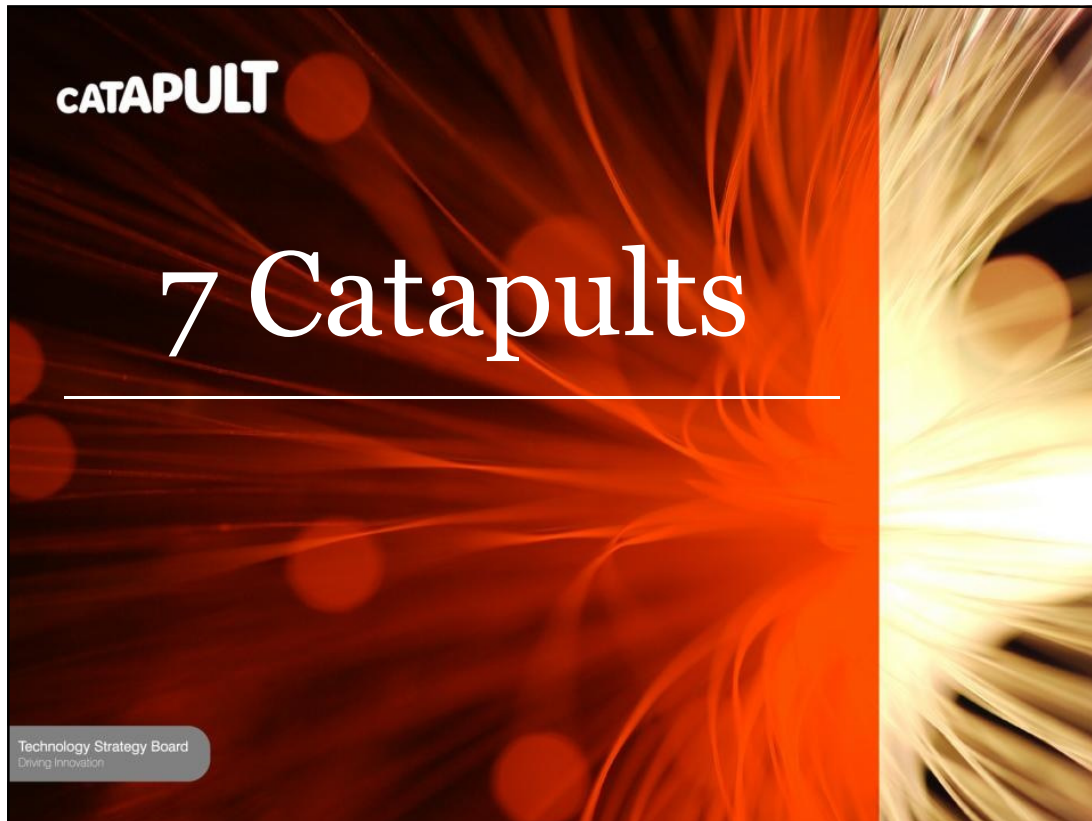- HEIF 3rd stream

Slide 46

4

Evolutionary ideas

Rolls Royce

Tesla

Revolutionary Ideas

Catapults

Multi billion $ market
Global UK technical lead
Platform technology benefiting many companies
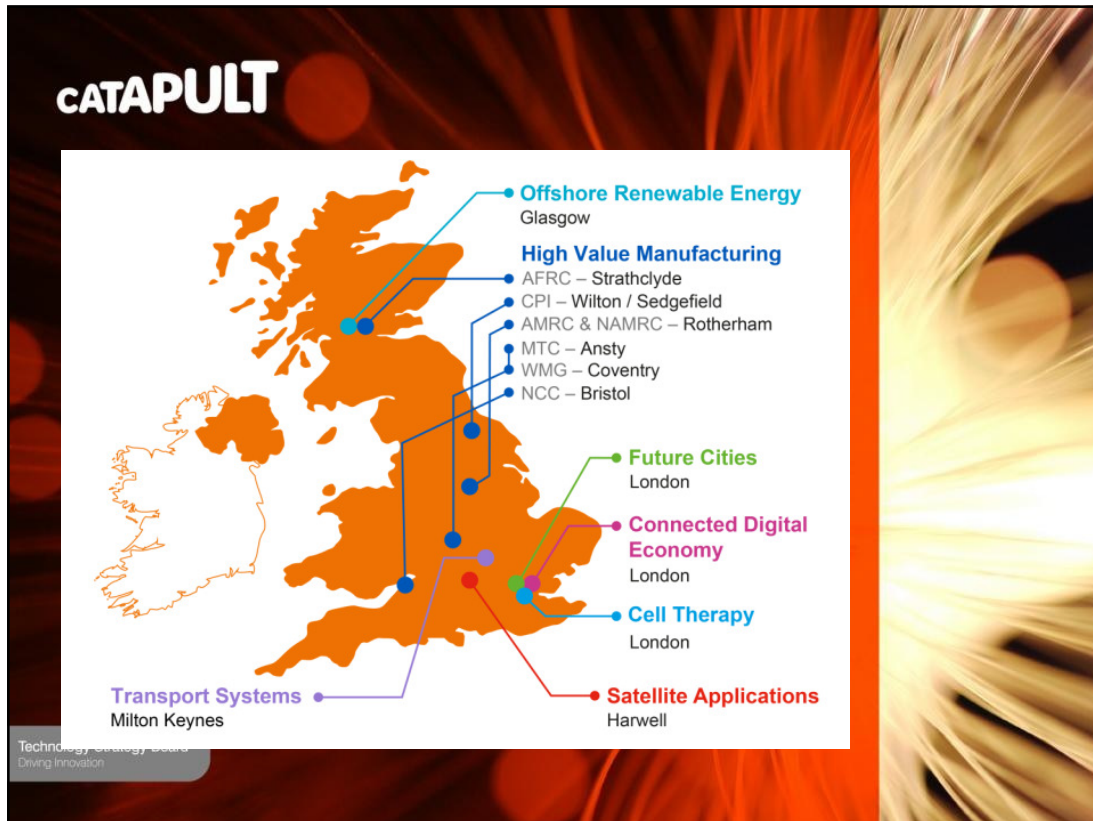Exploitation strategy for UK Plc

7 Catapults

Technology Strategy Board
Driving Innovation

Catapult timeline

Current Catapults	Date operational
High Value Manufacturing	October 2011
Cell Therapy	October 2012
Satellite Applications	December 2012
Offshore Renewable Energy	March 2013
Connected Digital Economy	June 2013
Future Cities	June 2013
Transport Systems	August 2013

2 New Catapults	Target Date operational
Energy Systems	April 2015 target
Precision Medicine	April 2015 target

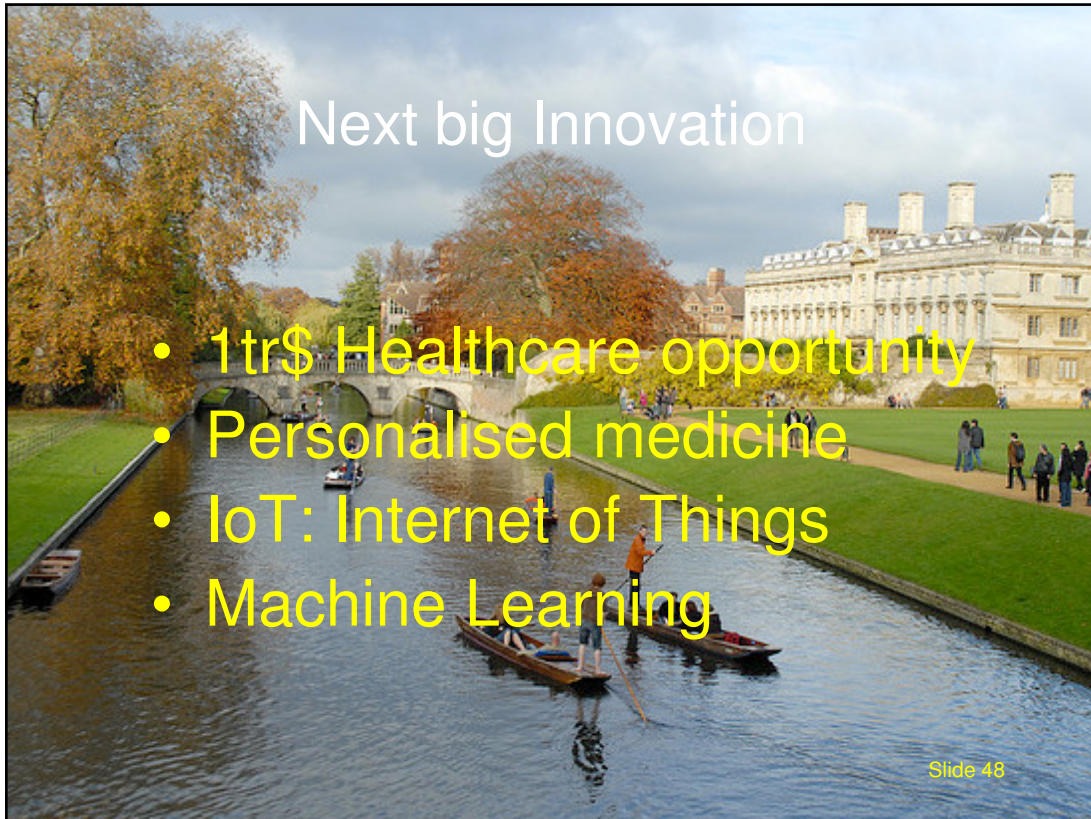Technology Strategy Board
Driving Innovation

9 Recommendations

9 Recommendations

1 Support existing Catapults

2 Keep 1/3 1/3 1/3 funding model

3 Grow network by 1 or 2 per year

4 Increase the funding to support 30 by 2030

5 More SME engagement

6 Stronger links with Universities

7 Develop KPIs

8 Catapults as neutral convenors for clusters

9 Goverment should use Catapult process

cATAPULT

Entrepreneurs

Passion
Unreasonable optimism
Evangelise a vision
Lead a team
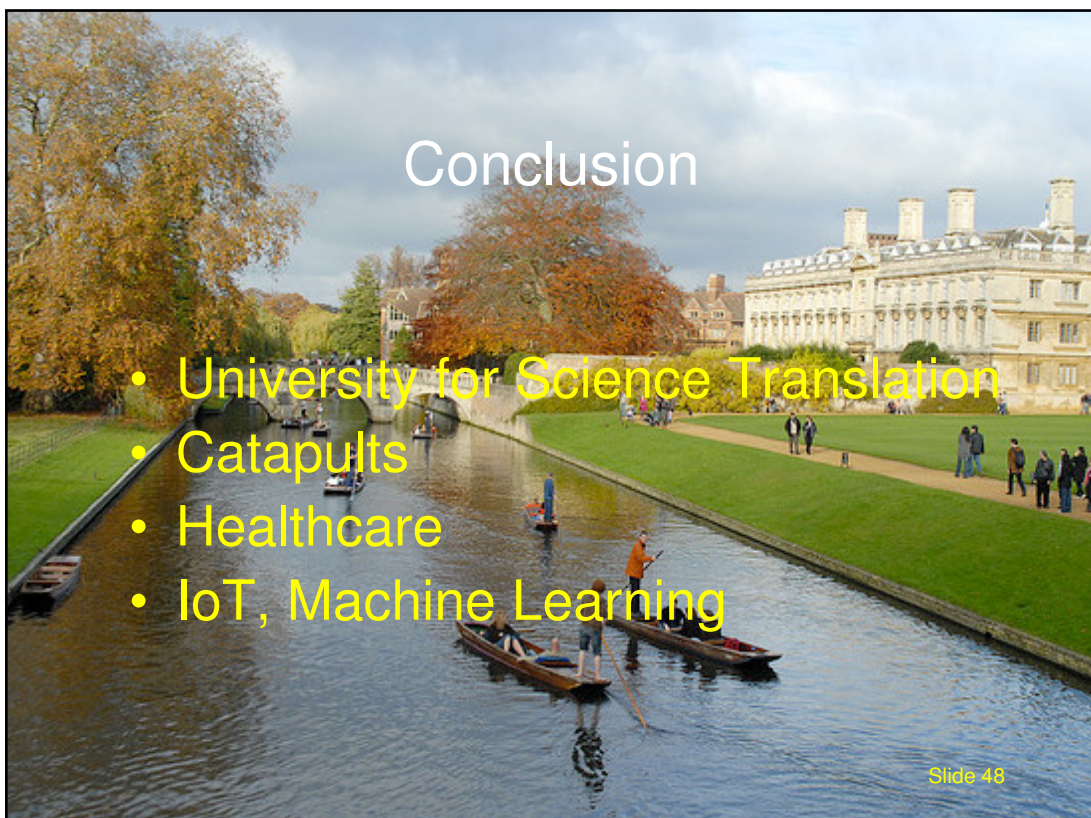Understand technology AND markets
Need Venture Capital

Slide 46

Next big Innovation

- 1tr$ Healthcare opportunity
- Personalised medicine
- IoT: Internet of Things
- Machine Learning

Slide 48

Conclusion

- University for Science Translation
- Catapults
- Healthcare
- IoT, Machine Learning

Slide 48