

Synchrotron light sources: working with and for Industry

E P Mitchell, ESRF Business Development Office

ESRF

A core ESRF mission is to generate innovation by serving industry through both paid-for access and innovative R&D proposals for peer review, as well as exploitation of our technological IP.

• PHARMA • CHEMISTRY • MATERIALS • CATALYSIS • ENGINEERING • FOOD •
• INSTRUMENTATION • CONTROL • SOFTWARE • OPTICS • ELECTRONICS



Proprietary experiments and measurements

- Generating 1.5M€ annually
- >100 unique clients using direct beam time and mail-in services
- Hot-spots in structural biology & microtomography

~30% of public science has links to industry

- Industry working in collaboration with academics (e.g. Rolls Royce with Prof Phil Withers)
- 3-yr Innovation-Led Long Term Proposals to mature SR techniques to industrial application

Exploitation of instrumentation & technology IP

- 30 technology licences
- Instrument manufacturing and sale
- Design consultancy
- Earning about 0.5M€ annually



Collaboration, grants and partnerships

- **NANO ELEC**. French PPP: 6.5M€ to open ESRF and ILL to the micro- and nano-electronics industries
- Funded PhDs and PDocs eg BP, Syntheliss, STMicroelectronics
- Horizon 2020 projects with industry



Want to learn more?
Talk to the ESRF's Business Development Office
industry@esrf.fr mitchell@esrf.fr