

## Working with Industry

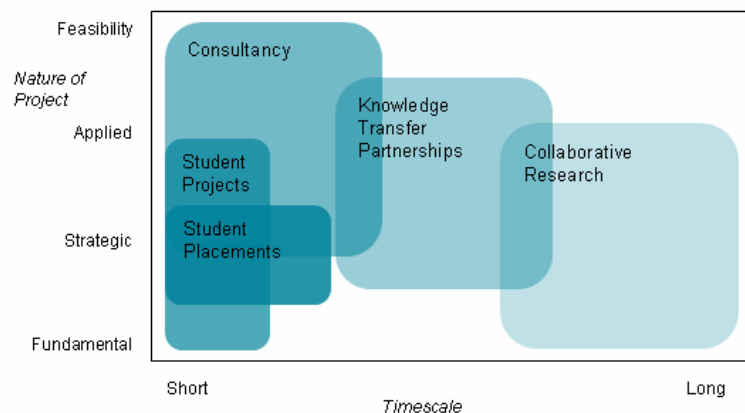
The Department of Mechanical Engineering at the University of Bath has a strong track record of working with local, national and international companies in all sectors. Our expertise covers practical testing and troubleshooting, theoretical modelling and simulation and the development of best practices, processes, tools and methods. We work to help businesses innovate, grow and improve their performance.

In particular, the Department is internationally renowned in the areas of machine and product design, manufacturing and production systems, fluid power, aerospace and automotive engineering, materials engineering, biomechanics, biomimetics, sports engineering and the environment.

Our team of experienced industrial professionals ensure fit-for-purpose results are delivered on time. We will match your needs with the most appropriate service or combination of services from our portfolio.

### At a glance

From short-term feasibility studies to long-term fundamental research.



*"The University of Bath must now rate as one of the leading centres for automotive powertrain research in Europe"*

Dr Horst Schulte, Chief Engineer of Global Diesel Research and Advanced Engineering, Ford Motor Company Ltd



The University of Bath was responsible for developing the computer model used to assess the operation of the Gateshead Millennium Bridge

### Collaborative Research

<http://www.bath.ac.uk/researchandinnovation/>

#### Key features

- From fundamental blue-skies to applied problem-solving research
- Build multidisciplinary teams involving other Departments
- Masters, PhD and Eng Doc opportunities
- Results normally owned by the University

#### Business benefits

- Access award-winning expertise and facilities
- Build collaborations across your supply chains
- Financial support available from regional, national and international funding bodies

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[www.bath.ac.uk/mech-eng/](http://www.bath.ac.uk/mech-eng/)



*“An important reason for choosing SMS Consultants [a consulting arm of the Department of Mechanical Engineering] was the ability...to have experts working in the right direction from the start”*

Elliot Ross, Technical Support Engineer,  
Steve Vick International.

## Knowledge Transfer Partnerships (KTP)

<http://www.bath.ac.uk/researchandinnovation/services/ktp/index.html>

### Key features

- A partnership between the Company and the University working on a strategic development project
- One or more graduates works in the Company
- Project length is typically two years, starting at any time of year

### Business benefits

- Injection of knowledge and expertise covering any important aspect of the business, including products, processes and manufacturing improvement and innovation
- Financial support available for UK-based projects

## Consultancy

<http://www.bath.ac.uk/mech-eng/industry/#research>

### Key features

- Focus on applied problem solving and strategic advice
- Normally short to medium term projects
- Enables relationship building with high profile experts

### Business benefits

- Rapid access to award-winning 5/5-star expertise and facilities
- Payment based on results
- Results normally owned by the Company

## Student Placements

<http://www.bath.ac.uk/mech-eng/placements/>

### Key features

- Placements usually start in the summer
- Cost to company of one year placement only £12k

### Business benefits

- Input from high calibre student or team of students
- Opportunity to bring fresh ideas into the Company
- Possible continuation of completed placements for one day a week on a project basis

## Student Projects

<http://www.bath.ac.uk/mech-eng/units/me40069/>

<http://www.bath.ac.uk/mech-eng/design-exhibition/index.htm>

### Key features

- Projects normally start in January for 3-5 months
- In-kind contributions from company
- Can solve real industry problems

### Business benefits

- Opportunity to meet enthusiastic potential recruits
- Opportunity to bring fresh ideas into the Company
- Final report and presentation of recommendations

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### To ignite the spark

To find out more about Research & Innovation Services at Bath please call Paula McGrane on +44(0)1225 383555 or email [researchandinnovation@bath.ac.uk](mailto:researchandinnovation@bath.ac.uk)

<http://www.bath.ac.uk/researchandinnovation>

