

UK Innovation Survey

Purpose of the Questionnaire:

The purpose of this questionnaire is to collect information about innovation in the UK between 2004 and 2006. To be able to compare businesses with and without innovation activities, we request all businesses to respond to **all** questions, unless otherwise instructed.

The results of this survey will be freely available on the Department of Trade and Industry website: www.dti.gov.uk and the National Statistics website: www.statistics.gov.uk

Information Required

Section A - General Business Information

Section B - Product (Goods or Service) Innovation

Section C - Process Innovation

Section D - Innovation Related Activity

Section E - Strategic Innovation

Section F - General Economic Information

Definition of Innovation

Innovation, for the purpose of this survey, is defined as **new** or **significantly improved products (goods or services)** and/or the **processes** used to produce or supply them, that the business has introduced, regardless of their origin. These may be just new to the business or new to the market. Investments for future innovation and changes that the business has introduced at a strategic level (in organisation and practices) are also covered.

Where precise figures cannot be provided for the three year period 1 January 2004 - 31 December 2006 **your best estimates are acceptable.**

How to complete the Questionnaire

This questionnaire will be scanned, therefore please:

- Complete in **black ink**
- Ensure letters and numbers are **PRINTED** and centred within each box
- **Do not** cross sevens or zeros

Please provide details of the person we should contact if we have any queries regarding the information returned on this questionnaire.

Contact name

Telephone number Ext.

Fax number:

Please keep a record of the time it takes to complete this questionnaire. You are asked to record this at the end of the questionnaire.

Please complete this questionnaire for the business named on the front page.

If this business is part of an enterprise group, please answer all further questions only for this business in the UK. Do not include results for subsidiaries or parent enterprises outside of the UK.

Section A - General Business Information

During the 3 year period 1 January 2004 - 31 December 2006

1. in which geographic markets did this business sell goods and/or services?

For every category you must either yes or no

	Yes	No	
UK regional <i>Within approximately 100 miles of this business</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0210
UK national	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0220
Other Europe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0230
All other countries	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0240

2. which of the following best define the main customer(s) for this business's goods and/or services?

Please all that apply

Other businesses	<input checked="" type="checkbox"/>	0310
Public Sector <i>For example, Government, Public Authorities</i>	<input checked="" type="checkbox"/>	0320
Consumers <i>For example, Households</i>	<input checked="" type="checkbox"/>	0330

3. did any of the following significant changes occur to this business?

Please all that apply

The business was established.....	<input checked="" type="checkbox"/>	0410
Turnover increased by at least 10% due to merger with another business or part of it.....	<input checked="" type="checkbox"/>	0420
Turnover decreased by at least 10% due to sale or closure of part of the business.....	<input checked="" type="checkbox"/>	0430
None of the above.....	<input checked="" type="checkbox"/>	0440

Section B - Product (goods or service) Innovation

In this section, include all **new** goods or services or **significantly improved** goods or services e.g. in quality, user friendliness, timeliness. The innovation, although new to this business, does not need to be new to the market. Include all product innovations, regardless of their origin.

During the 3 year period 1 January 2004 - 31 December 2006

For each option please one box only

- 4. did this business introduce:**
- | | Yes | No | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|------|
| New or significantly improved goods? (Exclude the simple resale of goods purchased from other businesses and changes of a purely cosmetic nature)..... | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 0510 |
| New or significantly improved services?..... | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 0520 |

STOP If you answered no to both options above, please go to question 8

- 5. were these products developed mainly by:**
- please one box only
- | | | |
|-----------------------------------------------------------|-------------------------------------|------|
| This business or enterprise group | <input checked="" type="checkbox"/> | 0610 |
| This business with other businesses or organisations..... | <input checked="" type="checkbox"/> | 0620 |
| Other businesses or organisations..... | <input checked="" type="checkbox"/> | 0630 |

- 6. were any of your product innovations:**
- For each category please either yes or no
- | | Yes | No | |
|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|------|
| New to your market? | | | |
| This business introduced a new good or service onto your market before your competitors..... | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 0710 |
| Only new to this business? | | | |
| This business introduced a new good or service that was essentially the same as a product already available from your competitors..... | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 0720 |

7. Of the categories below, please ESTIMATE the percentage split of this business's total turnover in 2006

Products introduced during 2004-2006 that were new to your market	<input type="text"/> <input type="text"/> <input type="text"/>	%	0810
Products introduced during 2004-2006 that were new to this business but not new to your market	<input type="text"/> <input type="text"/> <input type="text"/>	%	0820
Products introduced during 2004-2006 that were significantly improved	<input type="text"/> <input type="text"/> <input type="text"/>	%	0830
Products that were unchanged or only marginally modified during 2004-2006 (include the resale of goods or services purchased from other businesses).....	<input type="text"/> <input type="text"/> <input type="text"/>	%	0840
Total turnover in 2006	<input type="text"/> <input type="text"/> <input type="text"/>	%	

Section C - Process Innovation

Process innovations are all **new** or **significantly improved** methods for the production or supply of products (goods and services). The innovation although new to the business, does not need to be new to your industry. Include all process innovations, regardless of their origin.

During the 3 year period 1 January 2004 - 31 December 2006

8. did this business introduce any new or significantly improved processes for producing or supplying products?

- Yes
- No → Go to Q11 0900

9. were these processes developed mainly by:

Please one box only

- This business or enterprise group 1010
- This business with other businesses or organisations 1020
- Other businesses or organisations 1030

10. did this business introduce any new or significantly improved processes for producing or supplying products which were new to your industry?

- Yes
- No 1100

11. Did this business undertake any product (goods or services) or process innovations during the period 1 January 2004 - 31 December 2006?

Yes

No → Go to Q13

1110

Determining factors for innovation

12. During the 3 year period 1 January 2004 - 31 December 2006, how important were each of the following factors in your decision to innovate (product(s) and/or process(es))?

Please one box for each category

	High	Medium	Low	Not applicable	
Increasing range of goods or services.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1210
Entering new markets or increased market share.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1220
Improving quality of goods or services.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1230
Improving flexibility of production or service provision.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1240
Increasing capacity for production or service provision.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1250
Reducing costs per unit produced or provided.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1260
Reducing environmental impacts or improved health and safety.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1270
Meeting regulatory requirements.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1280
Increasing value added.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1290

Section D - Innovation Related Activity

Innovation related activities and expenditures

13. During the 3 year period 1 January 2004 - 31 December 2006, did this business engage in the following innovation related activities?

For each category please either yes or no

Internal R&D

Yes No

Creative work undertaken within this business on an occasional or regular basis to increase the stock of knowledge and its use to devise new and improved goods, services and processes..... 1310

Acquisition of external R&D

Same activities as above, but purchased by this business and performed by other companies (including other businesses within your group) or by public or private research organisations..... 1320

Acquisition of machinery, equipment and software

Advanced machinery..... 1331

Computer hardware..... 1332

Computer software..... 1333

Acquisition of external knowledge

Purchase or licensing of patents and non-patented inventions, know-how, and other types of knowledge from other businesses or organisations..... 1340

Training

Internal or external training for your personnel specifically for the development and/or introduction of innovations..... 1350

All forms of Design

Expenditure on design functions for the development or implementation of new or improved goods, services and processes. Expenditure on design in the R&D phase of product development should be excluded..... 1360

Market introduction of innovations

Changes to product or service design..... 1371

Market research..... 1372

Changes to marketing methods..... 1373

Launch advertising..... 1374

14. For each of the main innovation related activities in question 13, please ESTIMATE the amount of expenditure for the year 2006
Please round to the nearest £ thousand

Internal R&D	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	,000	1410
Acquisition of external R&D	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	,000	1420
Acquisition of machinery, equipment and software	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	,000	1430
Acquisition of external knowledge	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	,000	1440
Training	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	,000	1450
All forms of design	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	,000	1460
Marketing expenditures	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	,000	1470

Sources of information and co-operation for innovation

During the 3 year period 1 January 2004 - 31 December 2006

15. how important to this business's innovation related activities were each of the following information sources?

Please one box for each category

	High	Medium	Low	Not used	
Within your business or enterprise group.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1601
Suppliers of equipment, materials, services, or software.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1620
Clients or customers.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1630
Competitors or other businesses in your industry.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1640
Consultants, commercial labs, or private R&D institutes.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1650
Universities or other higher education institutions.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1660
Government or public research institutes.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1670
Conferences, trade fairs, exhibitions.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1680
Scientific journals and trade/technical publications.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1690
Professional and industry associations.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1610
Technical, industry or service standards.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1611

Sources of information and co-operation for innovation

During the 3 year period 1 January 2004 - 31 December 2006

16. did this business co-operate on any innovation activities with other businesses or organisation?

Both partners do not need to commercially benefit.

Exclude routine sub-contracting out of work with no active co-operation.

Yes

No → Please Go to Q 18

1700

17. which types of co-operation partner did this business use and where were they located?

Please all that apply

	UK regional	UK national	Other Europe	All other countries
Other business within your enterprise group.....	<input checked="" type="checkbox"/> 1811	<input checked="" type="checkbox"/> 1812	<input checked="" type="checkbox"/> 1813	<input checked="" type="checkbox"/> 1814
Suppliers of equipment, materials, services, or software.....	<input checked="" type="checkbox"/> 1821	<input checked="" type="checkbox"/> 1822	<input checked="" type="checkbox"/> 1823	<input checked="" type="checkbox"/> 1824
Clients or customers.....	<input checked="" type="checkbox"/> 1831	<input checked="" type="checkbox"/> 1832	<input checked="" type="checkbox"/> 1833	<input checked="" type="checkbox"/> 1834
Competitors or other businesses in your industry.....	<input checked="" type="checkbox"/> 1841	<input checked="" type="checkbox"/> 1842	<input checked="" type="checkbox"/> 1843	<input checked="" type="checkbox"/> 1844
Consultants, commercial labs, or private R&D institutes.....	<input checked="" type="checkbox"/> 1851	<input checked="" type="checkbox"/> 1852	<input checked="" type="checkbox"/> 1853	<input checked="" type="checkbox"/> 1854
Universities or other higher education institutions.....	<input checked="" type="checkbox"/> 1861	<input checked="" type="checkbox"/> 1862	<input checked="" type="checkbox"/> 1863	<input checked="" type="checkbox"/> 1864
Government or public research institutes.....	<input checked="" type="checkbox"/> 1871	<input checked="" type="checkbox"/> 1872	<input checked="" type="checkbox"/> 1873	<input checked="" type="checkbox"/> 1874

Protection methods for innovation

During the 3 year period 1 January 2004 - 31 December 2006

18. please indicate the importance to this business of each of the following methods to protect innovation?

Please one box for each category

	High	Medium	Low	Not used	
Registration of design.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2110
Trademarks.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2120
Patents.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2130
Copyright.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2150
Confidentiality agreements.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2140
Secrecy.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2160
Complexity of design.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2170
Lead-time advantage on competitors.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2180

Abandoned and Incomplete Innovation Activities

During the 3 year period 1 January 2004 - 31 December 2006

19. did this business have any innovation activities to develop new product or process innovations that:

For each option please either yes or no

	Yes	No	
were abandoned	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1510
were incomplete	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1520

Constraints on Innovation

During the 3 year period 1 January 2004 - 31 December 2006

20. how important were the following factors as constraints on innovation activities in influencing a decision not to innovate?

Please one box for each category

	High	Medium	Low	Not experienced	
Excessive perceived economic risks.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1901
Direct innovation costs too high.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1902
Cost of finance.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1903
Availability of finance.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1904
Lack of qualified personnel.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1905
Lack of information on technology.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1906
Lack of information on markets.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1907
Market dominated by established businesses.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1908
Uncertain demand for innovative goods or services.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1909
Need to meet UK Government regulations.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1910
Need to meet EU regulations.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1911

Businesses with no innovation activity

During the 3 year period 1 January 2004 - 31 December 2006

21. if this business had no innovation activity, please indicate why it has not been necessary or possible to innovate

	For each category please <input checked="" type="checkbox"/> either yes or no		
	Yes	No	
No need due to prior innovations	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2011
No need due to market conditions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2020
Factors constraining innovation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2030

Section E - Strategic Innovation

For the purpose of this section, include all **new** or **significantly improved** forms of organisation, business structures or practices aimed at improving internal efficiency or effectiveness or approaching markets and customers.

During the 3 year period 1 January 2004 - 31 December 2006

22. did this business make major changes in the following areas of business structure and practices?

	For each category please <input checked="" type="checkbox"/> either yes or no		
	Yes	No	
Implementation of a new or significantly changed corporate strategy	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2310
Implementation of new management techniques within this business e.g. Investors in People, Just in Time, 6 Sigma.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2320
Implementation of major changes to your organisation structure e.g. introduction of cross-site /teamworking.....	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2330
Implementation of changes to marketing concepts or strategies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2340

Section F - General Economic Information

23. Please **ESTIMATE** this business's total turnover for the year 2006

Please round to the nearest £ thousand.

Include: • exports and taxes

Exclude: • VAT

																				.000
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	------

 2420

24. Please ESTIMATE this business's total value of exports for the year 2006

Please round to the nearest £ thousand.

,000 2440

25. Please ESTIMATE the business's total number of employees for the year 2006

2520

26. Of the total employees in question 25:

Please ESTIMATE the proportion that were educated to degree level or above in

Science and engineering..... % 2610

Other subjects..... % 2620

27. Would this business be willing to be approached by DTI or its appointed agents, in connection with further enquiries on innovation?

Yes

No

2900

28. In the box below, please write any additional comments that you would like to make.

2700

29. How long has it taken you to complete this questionnaire?

Include any time spent extracting information from your accounting systems and collating data over and above normal accounting operations.

Hrs Mins 2800

Thank you for your co-operation