

UK Innovation Survey 2012 - 2014

***** TEST PRINT *****

Please write any changes to your name and address in the box below, using black ink

To be completed for: THE BUSINESS NAMED ABOVE

Please complete and return by 10 April 2015

Dear Sir or Madam,

Please find the questionnaire for the UK Innovation Survey attached. Please complete for the period 1 January 2012 to 31 December 2014. **If information is not available for calendar years, your return may cover the nearest financial years.** Once complete the questionnaire can be returned by post or fax using the details in the box below.

Innovation is at the heart of government policy to promote economic growth and productivity improvement. The information collected on the extent and type of business innovation activities, enables policy to be better designed and also provides businesses with a means of benchmarking themselves. Survey results are available at www.gov.uk/government/organisations/department-for-business-innovation-skills/series/community-innovation-survey

Please note

- This is a voluntary survey.
- **Your response to this survey is of great value to government, whether or not you carry out innovation activities.**

We request that you complete this questionnaire for the business named above. All the information you provide is kept strictly confidential. It is illegal for us to reveal your data or identify your business to unauthorised persons.

Thank you for your co-operation,
Office for National Statistics

Questionnaire return details

To return via fax: 01633 652707

To return via post: Please use the prepaid envelope provided which is addressed to;
Office for National Statistics, Government Buildings, Cardiff Road, Newport, NP10 8XG

Contact numbers

Er mwyn gwneud cais am ffurflen Gymraeg (To request a questionnaire in Welsh) 0300 1234 921

If you would like to use our Minicom service for the Deaf 01633 815 044

To complete the questionnaire in Euros 01633 456464

For any other queries, please contact the **UKIS Survey Team** **01633 456464**
or go to www.ons.gov.uk/surveys

When contacting the office you may be asked for the following information

Survey code: 144 **Reference number:** 144 4990 0000 243T **Period:** 201412

- Telephone calls may be recorded for training and quality purposes



UK Innovation Survey

Purpose of this survey:

The purpose of this survey is to collect information about innovation in the UK between 2012 - 2014. To be able to compare businesses with and without innovation activities, we ask all businesses to respond to **all** questions, unless otherwise instructed.

Information Required

Section A - General Business Information

Section B - Innovation Activities

Section C - Context for Innovation

Section D - General Economic Information

Definition of Innovation

Innovation, for the purpose of this survey, is defined as **new or significantly improved goods or services** and / or **processes** used to produce or supply all goods or services that the business has introduced, regardless of their origin. These may be 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.

Basis for Completion

Where precise figures cannot be provided please give your **best estimates**.

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

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

Instructions

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



Section A - General Business Information

During the 3 year period 1 January 2012 to 31 December 2014:

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

Please all that apply

- a. UK regional within approximately 100 miles of this business 0210
- b. UK national 0220
- c. European countries 0230
- d. All other countries 0240

MRY

MRY

MRY

MRY

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

Please all that apply

- a. The business was established 0410
- b. Turnover increased by at least 10% due to merger with another business or part of it. 0420
- c. Turnover decreased by at least 10% due to sale or closure of part of the business 0430
- d. None of the above 0440

MRY

MRY

MRY

MRY

Section B - Innovation Activities

This section covers changes in business strategy and practices; investments in current and future innovation and the introduction of new and improved goods, services or processes

Business Strategy and Practices

Include all **new** and **significantly improved** forms of organisation, business structures or practices aimed at raising internal efficiency or the effectiveness of approaching markets and customers.

3. During the 3 year period 1 January 2012 to 31 December 2014, did this business make major changes in the following areas?

Please all that apply

- a. New **business practices** for organising procedures (eg supply chain management, business re-engineering, knowledge management, lean production, quality management etc). 2310
- b. New methods of **organising work responsibilities and decision making** (eg first use of a new system of employee responsibilities, team work, decentralisation, integration or de-integration of departments, education / training systems etc) 2320
- c. New methods of **organising external relationships** with other firms or public institutions (eg first use of alliances, partnerships, outsourcing or sub-contracting etc) 2330
- d. Implementation of changes to **marketing concepts or strategies**. 2340

MRY

MRY

MRY

MRY



Innovation Investment

4.1 During the 3 year period 1 January 2012 to 31 December 2014, did this business invest in any of the following, for the purposes of current or future innovation?

Please all that apply

a. Internal Research and Development

Creative work undertaken within your business that increases knowledge for developing new and improved goods or services and processes 1310

MRY

b. Acquisition of Research and Development

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

MRY

c. Acquisition of advanced machinery, equipment and software for innovation

Advanced machinery and equipment 1331

MRY

Computer hardware 1332

MRY

Computer software 1333

MRY

d. Acquisition of existing knowledge

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

MRY

e. Training for innovative activities

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

MRY

f. All forms of design

Engagement in all design activities, including strategic, for the development or implementation of new or improved goods, services and processes. 1360

MRY

g. Market introduction of innovations

Changes to product or service design 1371

MRY

Market research 1372

MRY

Changes to marketing methods 1373

MRY

Launch advertising 1374

MRY

4.2 If 'Internal Research and Development' was selected at question 4.1, in which of the following years did this business invest in it?

Please all that apply

a. 2012 2675

MRY

b. 2013 2676

MRY

c. 2014 2677

MRY



5. For each of the main innovation related investments in question 4, please ESTIMATE the amount of expenditure for the YEAR 2014 ONLY. Include both internal costs and purchases from outside the business

Please round to the nearest £ thousand

a. Internal Research and Development	£	<input type="text"/>	,	<input type="text"/>	,	<input type="text"/>	<input type="text"/>	<input type="text"/>	1410	NFR
b. Acquisition of Research and Development	£	<input type="text"/>	,	<input type="text"/>	,	<input type="text"/>	<input type="text"/>	<input type="text"/>	1420	NFR
c. Acquisition of advanced machinery, equipment and software	£	<input type="text"/>	,	<input type="text"/>	,	<input type="text"/>	<input type="text"/>	<input type="text"/>	1430	NFR
d. Acquisition of existing knowledge	£	<input type="text"/>	,	<input type="text"/>	,	<input type="text"/>	<input type="text"/>	<input type="text"/>	1440	NFR
e. Training for innovative activities	£	<input type="text"/>	,	<input type="text"/>	,	<input type="text"/>	<input type="text"/>	<input type="text"/>	1450	NFR
f. All forms of design	£	<input type="text"/>	,	<input type="text"/>	,	<input type="text"/>	<input type="text"/>	<input type="text"/>	1460	NFR
g. Market introduction of innovations	£	<input type="text"/>	,	<input type="text"/>	,	<input type="text"/>	<input type="text"/>	<input type="text"/>	1470	NFR

Goods or Services Innovation

Include all **new** or **significantly improved** goods or services eg improvement in quality or distinct user benefits. The innovation, although new to this business, does not need to be new to the market. Include all product innovations, regardless of their origin.

6. During the 3 year period 1 January 2012 to 31 December 2014, did this business introduce:

Please all that apply

a. new or significantly improved goods?

Yes No

Exclude the simple resale of goods purchased from other businesses and changes of a solely aesthetic nature

0510

MTU

b. new or significantly improved services?

0520

MTU



If **No** to both options above, please go to Question 10

7. Were these goods or services developed mainly by:

For each category please one box only

	Goods	Services
a. this business or enterprise group?	<input checked="" type="checkbox"/> 0610	<input checked="" type="checkbox"/> 0601
b. this business with other businesses or organisations?	<input checked="" type="checkbox"/> 0620	<input checked="" type="checkbox"/> 0602
c. other businesses or organisations?	<input checked="" type="checkbox"/> 0630	<input checked="" type="checkbox"/> 0603

MRC

MRC

MRC



During the 3 year period 1 January 2012 to 31 December 2014:

8. were any of your goods and services innovations:

Please all that apply

a. new to your market?

This business introduced a new good or service to the market before competitors 0710

MRY

b. only new to this business?

This business introduced a new good or service that was essentially the same as a good or service already available from competitors 0720

MRY

9. Please ESTIMATE the percentage of this business's total turnover in 2014 from goods and services that were:

a. new to the market in 2012- 2014 % 0810

NCE

b. only new to this business in 2012- 2014 % 0820

NCE

c. significantly improved in 2012- 2014 % 0830

NCE

d. unchanged or only marginally modified
Include the resale of goods or services purchased from other businesses % 0840

NCE

Total turnover 2014 %

Process Innovation

Process Innovations are all **new** or **significantly improved** methods for the production or supply of goods or 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 2012 to 31 December 2014:

10. did this business introduce any new or significantly improved processes for producing or supplying goods or services?

Yes

No → Please go to Question 13 0900

MRK

11. were these processes developed mainly by:

Please all that apply

a. this business or enterprise group? 1010

MRY

b. this business with other businesses or organisations? 1020

MRY

c. other businesses or organisations? 1030

MRY

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

Yes

No 1100

MRK



During the 3 year period 1 January 2012 to 31 December 2014:

13. did this business have any innovation activities that were

Please all that apply

- a. abandoned? 1510
- b. still ongoing at the end of 2014? 1520

MRY

MRY

During the 3 year period 1 January 2012 to 31 December 2014:

14. how important were the following factors in constraining innovation activities?

Please one box for each category

- | | High | Medium | Low | Not Applicable | |
|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|------|
| a. excessive perceived economic risks | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 2657 |
| b. direct innovation costs too high | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 2658 |
| c. cost of finance | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 2659 |
| d. availability of finance | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 2660 |
| e. lack of qualified personnel | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 2661 |
| f. lack of information on technology | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 2662 |
| g. lack of information on markets | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 2663 |
| h. market dominated by established businesses | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 2664 |
| i. uncertain demand for innovative goods or services | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 2665 |
| j. UK government regulations | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 2666 |
| k. EU regulations (including standards) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 2667 |

MRE



STOP If you did not engage in any innovation activities in Section B (questions 3-14), please go to question 18

Section C - Context for Innovation

15. During the 3 year period 1 January 2012 to 31 December 2014, how important were each of the following factors in your decision to innovate in goods or services and / or process(es)?

Please one box for each category

	High	Medium	Low	Not Applicable		
a. Increasing range of goods or services	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1210	MRE
b. Entering new markets	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1211	MRE
c. Increasing market share	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1220	MRE
d. Improving quality of goods or services	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1230	MRE
e. Improving flexibility for producing goods or services	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1240	MRE
f. Improving capacity for producing goods or services	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1250	MRE
g. Increasing value added	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1290	MRE
h. Reducing costs per unit produced or provided	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1260	MRE
i. Improving health and safety	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1270	MRE
j. Reducing environmental impacts	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1212	MRE
k. Replacing outdated products or processes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1213	MRE
l. Meeting regulatory requirements (including standards)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1280	MRE



During the 3 year period 1 January 2012 to 31 December 2014:

16. how important to this business's innovation activities was information from:

Please one box for each category

	High	Medium	Low	Not Applicable		
a. within your business or enterprise group?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1601	MRE
b. suppliers of equipment, materials, services or software?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1620	MRE
c. clients or customers from the private sector?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1631	MRE
d. clients or customers from the public sector? The public sector includes government owned organisations such as local, regional and national administrations and agencies, schools, hospitals and government providers of services such as security, transport, housing and energy etc	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1632	MRE
e. competitors or other businesses in your industry?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1640	MRE
f. 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	MRE
g. universities or other higher education institutes?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1660	MRE
h. government or public research institutes?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1670	MRE
i. conferences, trade fairs or exhibitions?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1680	MRE
j. professional and industry associations?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1610	MRE
k. technical, industry or service standards?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1611	MRE
l. scientific journals and trade / technical publications? . . .	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1690	MRE



During the 3 year period 1 January 2012 to 31 December 2014:

17. did your business co-operate on any innovation activities with any of the following:

Please all that apply

	UK Regional	UK National	European Countries	Other Countries	
a. other businesses within your enterprise group?	<input checked="" type="checkbox"/> 1811	<input checked="" type="checkbox"/> 1812	<input checked="" type="checkbox"/> 1813	<input checked="" type="checkbox"/> 1814	MRF
b. 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	MRF
c. clients or customers from the private sector?	<input checked="" type="checkbox"/> 1881	<input checked="" type="checkbox"/> 1882	<input checked="" type="checkbox"/> 1883	<input checked="" type="checkbox"/> 1884	MRF
d. clients or customers from the public sector? The public sector includes government owned organisations such as local, regional and national administrations and agencies, schools, hospitals and government providers of services such as security, transport, housing and energy etc	<input checked="" type="checkbox"/> 1891	<input checked="" type="checkbox"/> 1892	<input checked="" type="checkbox"/> 1893	<input checked="" type="checkbox"/> 1894	MRF
e. 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	MRF
f. 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	MRF
g. 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	MRF
h. 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	MRF



During the 3 year period 1 January 2012 to 31 December 2014:

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

Please all that apply

- a. No need due to previous innovations 2011
- b. No need due to market conditions 2020
- c. Factors constraining innovation 2030
- d. None of the above apply 2040

MRY

MRY

MRY

MRY

19. **What proportion of your innovations during 2012 to 2014 were protected by the following methods?**

Please one box for each method

	None	Less than 10%	Between 10-40%	41-60%	61-90%	Over 90%		
a. Patents	<input checked="" type="checkbox"/>	2650	XXX					
b. Design registration	<input checked="" type="checkbox"/>	2651	XXX					
c. Copyright	<input checked="" type="checkbox"/>	2652	XXX					
d. Trademarks	<input checked="" type="checkbox"/>	2653	XXX					
e. Lead time advantages	<input checked="" type="checkbox"/>	2654	XXX					
f. Complexity of goods or services	<input checked="" type="checkbox"/>	2655	XXX					
g. Secrecy (include non-disclosure agreements)	<input checked="" type="checkbox"/>	2656	XXX					



Public financial support for innovation activities

20.1. During the three years 2012 to 2014, from which of the following levels of government did this business receive public financial support (if any) for innovation activities?

Include:

- financial support via tax credits or deductions, grants, subsidised loans and loan guarantees

Exclude:

- R&D and other innovation activities conducted entirely for the public sector under contract.

The public sector includes government owned organisations such as local, regional and national administrations and agencies, schools, hospitals and government providers of services such as security, transport, housing and energy etc

Please all that apply

- a. **UK local or regional authorities** 2668
- b. **UK central government**
Include: UK government's agencies or funding bodies
(eg Innovate UK, formerly known as TSB) 2669
- c. **European Union (EU) institutions or programmes** 2670
- d. **None of the above** 2671

MRY

MRY

MRY

MRY

20.2. If 'UK central government' was selected at question 20.1, what kind of financial support did this business receive?

Please all that apply

- a. **Direct financial support**
For example: Smart or Collaborative R&D grants, work with Catapult centres,
Innovation vouchers 2672
- b. **Indirect financial support**
For example: R&D tax credits, Patent box 2673
- c. **Don't know / don't remember** 2674

MRY

MRY

MRY



Section D - General Economic Information

21. Please ESTIMATE this business's total turnover for the year, excluding VAT:

Please round to the nearest £ thousand.

a. 2012 £ , , 2410 NFR

b. 2014 £ , , 2420 NFR

22. Please ESTIMATE this business's total value of exports for 2014 ... £ , , 2440 NFR

23. Please ESTIMATE this business's average number of employees for the year:

a. 2012 2510 NGT

b. 2014 2520 NGT

Skills

24. Please ESTIMATE the proportion of 2014 employees that hold a degree or higher qualification in:
eg BA / BSc, MA / PhD, PGCE

a. science or engineering subjects % 2610 NCE

b. other subjects % 2620 NCE

25. During the 3 year period 1 January 2012 to 31 December 2014, did your business employ individuals in-house with the following skills at any level, or obtain these skills from external sources:

Please all that apply

a. Graphic arts / layout / advertising? 2631 MRY

b. Design of objects or services? 2632 MRY

c. Multimedia / web design
eg audio, graphics, text, still pictures, animation, video etc? 2633 MRY

d. Software development / database management? 2634 MRY

e. Engineering / applied sciences? 2635 MRY

f. Mathematics / statistics? 2636 MRY



