

## ANALYSIS 3

FOIs were sent to the 24 Russell Group Universities to request:

*Details of funding over the last three years (2008-11) for courses, research or activities by your university from:*

- *Public ministry bodies like the Ministry of Defence and its research arms Defence Science Technology Laboratory, Defence Evaluation Research Agency, and Atomic Weapons Establishment*
- *Private companies, including BAE Systems, Cobham plc, MBDA, Rolls-Royce, Babcock, GKN, and QinetiQ*

Of the 24 universities who were approached 6 refused or were unable to supply relevant information - Birmingham Glasgow, Liverpool, Manchester, University College London (UCL) and Warwick. The London School of Economics (LSE) said that it did not get any funding from government military bodies or military companies.

The quality and quantity of information supplied varied greatly in form and content between universities. Some universities gave more detailed and complete answers, others very scanty information. Most listed the sources of funding but not the department or courses which received it.

There was often inadequate information on the purpose of the funding between courses, research or other activities but the strong impression is that the vast majority was related to Research & Development (R&D). There was no indication of what company funding was related to non-military activities (this is especially relevant in the case of Rolls-Royce).

Most universities supplied information only on UK government and UK private company sources - Cambridge was an exception, providing names of UK government agencies and US companies as funders. However, it is known that other universities receive non-UK funding although these were not included in the information provided. In this analysis we consider only only UK military funding. The three-year period also varied depending on the university accounting year, although this probably makes little difference to the larger picture.

Some basic breakdown of information is listed in the tables below.

### **Overall military funding**

In all, military funding to these 17 universities totalled over £83m over the three years, divided between UK government agencies and UK private companies.

However, this is an understatement of the total, not only because six universities did not give information or gave inadequate information on military funding, but also because several non-Russell Group universities are also known from past research to receive significant military funding including Cranfield, Glasgow, Hull, Loughborough and Swansea.

In terms of individual universities receiving funds from military sources, government and private, the "top" universities were Imperial College with £15.2m, Cambridge with over £13.7m, Sheffield with £13.7m, and Oxford with just over £9m. There followed a group with military funding between £3 and £9 million - Bristol with £6.5m, Nottingham with just under £6m, Kings College with £5.3m, followed by York with £3.9m and Southampton with £3.8m. Apart from Newcastle which had just over £2m, all the other universities received amounts under £1m.

## Government military funding

UK government military funding to the 17 universities totalled almost £23.7 million over the three years -over 28% of the total military funding.

In terms of direct UK government funding, from the Ministry of Defence and the technical agencies, the largest recipient by far was Imperial College with over £7.8m from government, mainly via the Atomic Weapons Establishment (AWE), followed by Kings College with £5.4 million. Imperial College had just over half (51%) of its military funding from the UK government and Kings virtually all its military funding from the UK Ministry of Defence.. These are unusual cases - only at Queen's University, Belfast, and Durham (last on the list with the smallest amount of military funding) did direct government funding outweigh private company funding..

## Private company funding

The largest share of military funding came from private companies (in effect public listed companies), This totalled £62.8m over the three years - just under 72% of the UK military funding.

In terms of UK private company funding the largest recipients were Sheffield with £13.5m, Oxford with £8.7m, Cambridge with £9.5m, and Nottingham with just over £5m. (The Cambridge total would have been higher had it included non-UK military companies who contributed £2.3m.) From available information it appears that the bulk of the UK private funding is ultimately government funding, through research and development (R&D) contracts from the Ministry of Defence and other government agencies.

Three UK companies make up the bulk of private company funding: BAE Systems, Rolls Royce and QinetiQ.

**BAE Systems** funding in total reached £10.65m over the three years, given to at least 13 universities in the Russell Group. It was focused on three universities where it reached over £2m - in York at £2.9m, Imperial at £2.3m and Sheffield at £2.1m. BAE also paid almost £1.3m to Cambridge. Other universities also received significant funding, including £936,000 to Southampton and £716,000 to Oxford.

By far the largest private company funder was **Rolls-Royce** which totalled at least £36.8m (information on some Rolls-Royce funding at Leeds was protected by confidentiality clauses which suggests that the total should be much higher). Rolls-Royce focused very large grants on selected universities, although it is not known how much of this funding went to non-military research.

The largest amount went to Sheffield where Rolls-Royce gave over £11.1m - almost 80% of Sheffield's total funding from military companies. At Oxford, Rolls-Royce contributed £6.7m - almost three quarters of funding from military sources - and at Nottingham £4.9m - 83% of funding from military sources. The second largest amount went to Cambridge with almost £7.5m - this was 54% of Cambridge's total funding from UK military sources. Rolls-Royce also made considerable grants to Imperial with £2.9m and to Southampton with £2.3 m.

**QinetiQ** funding to nine universities totalled £3.25m The largest amounts were £1.5m to Imperial and £737,000 to Cambridge - all others were less than £339,000.

Other arms companies which featured prominently were Babcock with funding totalling £368,000 (the bulk to Imperial), GKN with £236,000 (ditto) and MBDA with £105,000 (ditto). GE Aviation gave contracts totalling over £57,000 to Sheffield. Other companies that paid smaller amounts

included Atlas Elektronik UK, Cobham, EADS Astrium and Thales.

*Table 1 - Military funding at Russell Group Universities 2008-2011*

Name	Funding for military projects	Direct government funding (UK)	Private company funding (UK)
Bristol	6500000	1900000	4600000
Cambridge	13743200	4197000	9548200
Cardiff	423605	66490	357115
Durham	67535	67535	
Edinburgh	472979	369164	103815
Exeter	1531242	1376491	154751
Imperial	15241277	7844062	7397215
Kings College	5346498	5343998	2500
Leeds	*875418	0	*875418
Newcastle	2017247	26127	1991120
Nottingham	5980540	955234	5025306
Oxford	9006444	299032	8707412
Queen's University, Belfast	553083	279579	273504
Queen Mary, London	155745	60000	95745
Sheffield	13777909	465607	13312302
Southampton	3813000	0	3813000
York	3961357	518007	3443350

\* Has other funding from Rolls Royce but withheld because of confidentiality clauses (sections 41 and 43 of FOI)

\*\* Includes Foreign Govt funds in total but not in UK Government funding

*Table 2 - UK Government military funding at Russell Group Universities 2008-2011*

Name	Ministry of Defence	Atomic Weapons Establishment (AWE)	Defence Science Technology Laboratory	
Bristol	NK	NK	NK	
Cambridge (add extra)	992000	2349000	854000	4195000
Cardiff	38963	18000	9527	
Durham	30870	13850	22815	
Edinburgh	218759	94476	55929	
Exeter			1376491	
Imperial	213865	5724121	1906076	
Kings College	5343998	0	0	
Leeds	0	0	0	
Newcastle	NK	NK	NK	
Nottingham	722218		243016	
Oxford		125298	173734	
Queen's University, Belfast	119393	160186	0	
Queen Mary, London	60000	0	0	
Sheffield	465607	0	0	
Southampton	0	0	0	
York	258972	27710	231325	

Table 3 - Private company military funding at Russell Group Universities 2008-2011

Name	BAE	Rolls-Royce	QinetiQ	Others
Bristol	NK	NK	NK	NK
Cambridge (add extra)	1297000	7490200	737000	2241000
Cardiff	26936	28735	261979	39465
Durham				67535
Edinburgh	15664	43809	19182	25160
Exeter	25500	116000	13251	1376491
Imperial	2328863	2943765	1499039	625548
Kings College	2500	0	0	0
Leeds	97241	*731784	0	47393
Newcastle	NK	NK	NK	NK
Nottingham	0	4975213	50093	
Oxford	716548	6727022	0	3200
Queen's University, Belfast	135370	67371	66162	4601
Queen Mary, London	57502	36243	0	1000
Sheffield	2100600	11135986	0	57408
Southampton	936000	2335000	339000	203000
York	2980526	157081	289699	16044

\* Has other funding from Rolls Royce but withheld because of confidentiality clauses (sections 41 and 43 of FOI)