



The Royal Academy
of Engineering

Output Framework 2008/09

OUTPUT 1 – A healthy UK Science & Engineering Base

	UK contribution to global knowledge pool	UK Newly trained people	UK trained people pool	Facilities & infrastructure	Positioning & Relationships	Overview
Quality	<p>Number of total publications per year by Chairs, SRFs and Chairs in Emerging Technology - 63</p> <p>Number of total publications per year by Research Fellows - 126</p> <p>Average citations rebased impact (RBI) for by Chairs and SRFs - 1.0</p> <p>Average citations rebased impact (RBI) for Research Fellows - 2.1</p>	<p>Research Fellow completion rates - 100%</p>	<p>Proportion of Chairs and SRFs completing and offered continuity - 100%</p>		<p>Proportion of Chairs and SRFs meeting or exceeding expectations of industrial co-funders - 100%</p> <p>Proportion of awardees of International Travel Grant achieving objectives or better - 94%</p> <p>Proportion of reports rated excellent from teachers on the value of the Best Programme and the Programme for Science Teachers - 94%</p>	<p>Average ratio of the number of applications to the number of awards as an indication of the value of Academy schemes - 1.5:1</p>
Sustainability		<p>Proportion of Research Fellows retained in same field on conclusion - 95%</p>			<p>Proportion of continuing links on completion between host institutions and: Industrial Secondment Awardees - 100% Global Research Awardees - 100%</p>	
Agility	<p>Proportion of spend in multidisciplinary research - 100%</p>					<p>Number of reports studies and responses as a measure of engagement with society - 32</p>

OUTPUT 1 – A healthy UK Science & Engineering Base (continued)

	UK contribution to global knowledge pool	UK Newly trained people	UK trained people pool	Facilities & infrastructure	Positioning & Relationships	Overview
Scale	Number of patents granted to Chairs and SRFs - 5 Number of publications per individual Chair and SRF - 1.6	Number of Research Fellowships completed in year - 8	Number of Chairs & SRFs in post - 36 Average amount of industrial funding awarded to Chairs & SRFs - £475K		Number awarded: global Research Awards - 15 International Travel Awards - 702 Number of students participating in the Best Programme - 13,067	Royal Academy of Engineering Grant-in-Aid in year - £10.279 million Total number of awards in all programmes - 1,344
Productivity & Efficiency		Cost of each Research Fellow per year (inc FEC) - £96K	Cost of each Chair or SRF (inc FEC) - £120K total of which £40K Grant-in-Aid			Number of awards per member of staff involved with award making programmes - 149 Ratio of third party funding raised to Grant-in-Aid received - 3.4:1
User focus - Science and Engineering Base		Proportion of Research Fellows retained in research on completion - 93%	Proportion of researchers remaining in academia on completion - 100%		Proportion of awards that establish or maintain international research networks: Global Research Awards - 100% International Travel Grants - 93% Level of external funding achieved for the Best Programme - £5,013K	Results of readership surveys on Academy's premier magazine Ingenia - 94% Number of visitors to Academy web site per month - 107,000
User focus - Business and Public Services			Proportion of Chairs and SRFs in research related to industry needs - 100%			Number of responses to Parliamentary and government enquires - 26

OUTPUT 2 – Better exploitation

	Interaction with business and public services	Collaborative research	Commercialisation of research	Cooperative training	People exchanges between SEB and users
Scale	<p>Number of company partnerships associated with Chairs and SRFs - 36</p> <p>Number of company partnerships with Industrial Secondment awardees - 16</p>	<p>Contribution of industry per £ of Grant-in-Aid to Chairs, SRFs and Research Fellowships - £6.1</p>	<p>Number of patents issued to researchers in all Grant-in-Aid funded programmes in year - 5</p>	<p>Number of engineers helped to improve qualifications with Engineering Professional Development Awards - 1,496</p>	<p>Number and duration of Industrial Secondments - 16 secondments at an average of 5 months each</p> <p>Number of Visiting Professorship posts - 132</p>
Quality	<p>Results of surveys of key stakeholders in industry and the public services of the quality of the Academy's engagement with them - 6 regional industry/academia seminars held, all judged very useful by participants</p>	<p>Proportion of reports by companies on value of jointly funded Chairs and SRFs rated meeting expectations or better - 100%</p>		<p>Proportion of reports from SMEs on value of Engineering Professional Development Awards rated meeting expectations or better - 91%</p>	<p>Proportion of reports by companies on Industrial Secondments rated meeting expectations or better - 100%</p> <p>Proportion of continuing links between host companies and universities as a result of Industrial Secondments - 100%</p> <p>Proportion of reports by universities on value of Visiting Professorships rated meeting expectations or better - 93%</p> <p>Proportion of Visiting Professorship posts which remain self-funding after end of Grant-in-Aid funding - 80%</p>