



Collaborative Working in the Aerospace Industry

David Derrick, LRQA UK&I Area Operations Manager

About Lloyd's Register



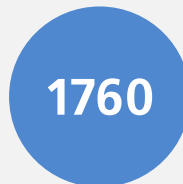
Who we are

A global organisation with specific areas of focus around marine, energy, management systems and inspection services.



Independent

Wholly owned by the Lloyd's Register Foundation, a UK charity dedicated to research and education in science and engineering.



History

Founded in 1760 as a marine classification society.



What sets us apart

Known for integrity, impartiality and technical excellence.

LR Foundation – Making an Impact

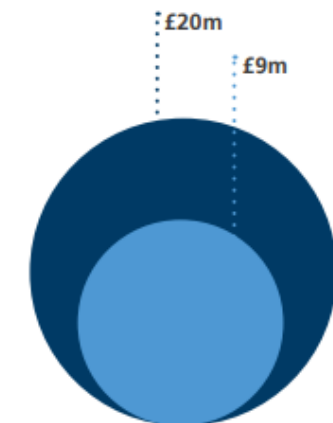
The Lloyd's Register Foundation is a charity that helps to protect life and property and support education, engineering-related research and public engagement.

Our vision is to be known worldwide as a leading supporter of research, training and education – relevant to the field of engineering – which makes a real difference in improving the safety of the critical infrastructure that is vital to modern society. To support this, we promote scientific excellence and act as a catalyst working with others to achieve maximum impact.

We do this because life matters.

LR Foundation – at a glance

Foundation income
by source 2015/16
£29m



- Trading group income
- Listed investments

140

approaches for funding received
(outline proposals and applications)

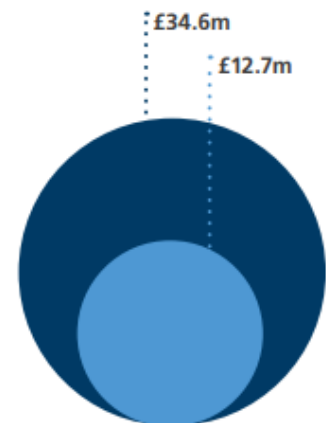
95%

of new awards were 'directive', led by
the Foundation: 5% 'responsive', as a
result of unsolicited approaches

35

grants awarded in year

Value of grants awarded
£34.6m



- 2015/16
- 2014/15

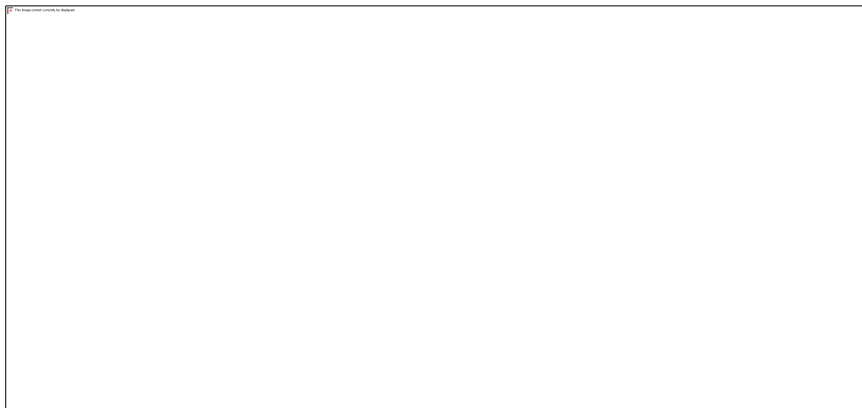
LR Foundation – at a glance

Funding by strategic theme

	Supporting excellent scientific research	Accelerating the application of research	Promoting safety and public understanding of risk	Advancement of skills and education
New awards £34.6m	6 awarded in year, value £10.6m	3 awarded in year, value £10.6m	8 awarded in year, value £11.7m	18 awarded in year, value £1.7m
Active grants portfolio at 30 June 2016* £80m	26 grants, value £52.2m	3 grants, value £10.6m	8 grants, value £11.7m	36 grants, value £5.5m
Future grant commitments £60.5m	21 grants, value £36.7m	2 grants, value £10.5m	5 grants, value £11.1m	28 grants, value £2.2m

* Including past grants paid where recipients are still under obligations to report on their use of funds.

LR Foundation – at a glance



Our funding trained
283 RNLi lifeboat
volunteer crew
members from
35 lifeboat stations
which launched
4,695 times and
saved 4,271 lives

Our research grants
supported

124

PhD students

710

National Coastwatch
Institution watchkeepers
at 52 UK stations
trained for new radio
operator's certificate

Win for Foundation
sponsored student

.....

Sophie Damy from
Imperial College won an EPSRC
£54,000 grant on her
LRF-funded PhD research



23

Our grants
reach 23 countries

Plus there are additional
international relationships
developed by grant holders

Summary of Foundation Grants in the United Kingdom

REGIONAL SUMMARY

48 GRANTS AT 41 INSTITUTES
TOTAL AWARDED : £44,640,171

- 1. University of Aberdeen £1,185,000
- 2. University of Strathclyde £225,000
- 3. Institute of Occupational Medicine, Edinburgh £252,335
- 4. Lancaster University £758,791
- 5. University of York £8,500
- 6. University of Manchester £2,614,000
- 7. University of Nottingham £306,690
- 8. National Space Centre, Leicester £297,000*
- 9. University of Birmingham £693,411
- 10. Coventry University £420,570
- 11. Arkwright Scholarships Trust £50,000* & Smallpeice Trust £430,914, Leamington Spa
- 12. University of Cambridge £1,223,495, Villiers Park Educational Trust £60,000 The Welding Institute £15,000,000
- 13. University of the West of England, Bristol £1,059,958



● Location of Grant Holders

*These grants are national schemes

- 14. London
Arup £8,815,000
City University £1,299,000
Foundation for Science and Technology £105,000
Imperial College London £555,557
Institution of Engineering and Technology, The £53,500*
Maritime London Officer Cadet Scholarship £108,000
National Maritime Museum £103,800
Nautical Institute, The £25,000
Petras - IOT Research Hub £250,000
Royal Academy of Engineering £928,392*
Royal Institution, The £100,200
Royal Institution of Naval Architects £21,000
St Paul's Way Trust School £45,000
The Conversation £180,000
UK Nest £96,000
University College London £694,311
Worshipful Company of Shipwrights, The £596,144*
- 15. CHIRP Maritime, Hampshire £60,000
- 16. Winchester Science Foundation, Eastleigh £15,000, Southampton Solent University £116,925 & University of Southampton £3,432,528
- 17. University of Portsmouth £90,000
- 18. Royal National Lifeboat Institution, Poole £1,059,128
- 19. Plymouth Marine Laboratory £74,770
- 20. Hook Marine Ltd, Troon £45,252

Lloyd's Register Quality Assurance - Who we are

30+

Years' experience

120+

Countries in which we
operate

45,000+

Clients worldwide

60,000+

Approvals worldwide

1500+

Employees

50+

Accreditation bodies
recognise LRQA

250+

Years' history as part of the Lloyd's Register Group

Our people

Technical expertise

- Extensive knowledge and insight into the standards and schemes
- Shaping the industry through membership of technical committees and strategic alliances

Key account management

- Understanding your specific requirements
- Developing a long term relationship with your organisation
- Global pricing strategy



LRQA

Sector specific experience and global auditor calibration

- Valuable and relevant insight
- Consistency across all sites

Trained and qualified tutors

- Many are practicing assessors who can share their real life experience
- Accurate and up-to-date course materials
- Focus on engagement and interaction

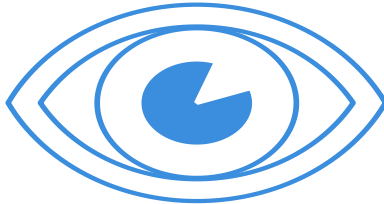
Our approach

Our unique assessment methodology is built on three pillars and extends the focus from compliance to performance to help organisations meet their strategic objectives:

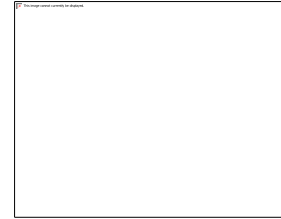
**Risk-based
methodology**



**Themed
surveillance**



**Continual
improvement**



Our Services

We specialise in management systems compliance, expert advice and training across a broad spectrum of standards, schemes and customised assurance programmes.



Why ISO 44001?

Why do you need an ISO Standard to collaborate?

- Of course you don't but
- Many companies already have a Management Systems that is certified to an ISO standard
 - ISO 9001:2015 or AS9100 Rev D etc
 - These are written within a framework language and structure known as Annex SL
- The newly published ISO 44001 is written to the same high level structure
- Provides easier integration into other management system standards, already implemented.

Why collaborate with potential competitors?

Collaboration

- Allows for agile thinking across the industry, for the benefit of industry and your client base
- Underpins multifunctional programme management
- Creates an environment of mutual trust, respect and knowledge sharing
- Allows innovation to flourish
- De-risks future outcomes
- Shared cultural improvement

How can ISO 44001 enable collaborative relationships?

An ISO 44001 management systems

- Can be scaled to particular business / relationship needs
- The standard provides a framework and common language that may aid implementation and engagement
- Is pertinent to both public and private sectors, bridging cultural differences
- Organisations may use the standard as a roadmap to implementation
- Provides independent assurance of relational effectiveness
- No two relationships are the same

Route to certification

For any certifiable standard you can gain external certification by

- Purchase ISO 44001
- Potential engagement of professional expertise
- Develop an implementation programme for approval with your collaborative partners
- Choose a certification partner for the approval
- Complete a Gap Analysis – Internal / External
- Address any areas identified during the Gap Analysis
- Undergo the two-stage certification process
- Certification awarded
- Enter the surveillance cycle – generally visits over 3 years

Contact us:

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