



Innovative Engineering | Robust Solutions



scinnovation-global.com



SC INNOVATION IS A SPECIALIST ENGINEERING COMPANY, EXPERIENCED IN PROVIDING PRODUCTS AND SERVICES FOR DEMANDING ENVIRONMENTS WHERE QUALITY AND SAFETY ARE PARAMOUNT.

We are renowned for solving complex problems for operations in demanding environments. Our success is built on a culture of innovation, freethinking, empowerment and accountability, backed up by rigorous process and system engineering.

We have a passionate and committed team with the skills, expertise, dedication and focus to provide the highest value to our customers.

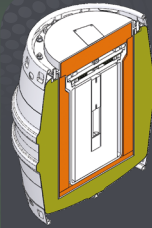
Sectors:

- Nuclear
- Automotive
- Marine
- Defence
- Oil and Gas
- Renewable Energy
- Emergency and Rescue



“ We considered the overall result of our cooperation as very positive and are highly satisfied with the level of the quality of the work performed... I recommend them without hesitation.

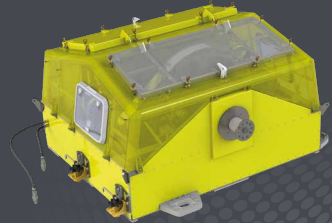
Elisa Del Giamo | AGIP KCO



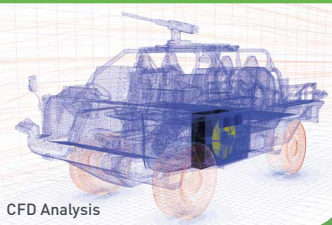
Impact simulation for radioactive container



Pile cap design for aggregates jetty



Power take off unit for Wave Energy Converter



CFD Analysis



Pre-production support vehicle & dolly design





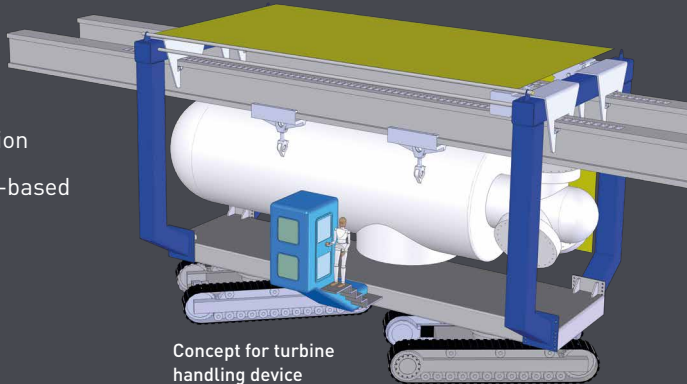
Concept Realisation

We are passionate about helping our customers succeed by developing a deep understanding of their objectives leading to truly innovative and collaborative solutions.

SC Innovation have full prototype build facilities, including multiple workshops and stores facilities. This provides a controlled and confidential environment for first off build and development activities, co-located with the design engineering teams.

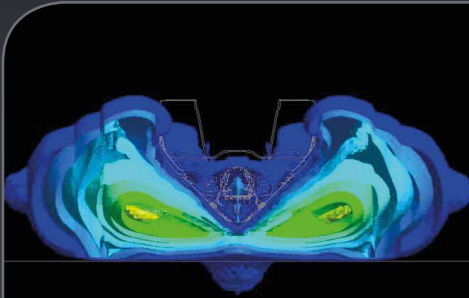
We are able to offer system and rig test capabilities to ensure first time fit and functionality.

- Feasibility Studies
- Concept Design
- Rapid Prototyping
- Testing and Evaluation
- Collaborative, team-based problem solving

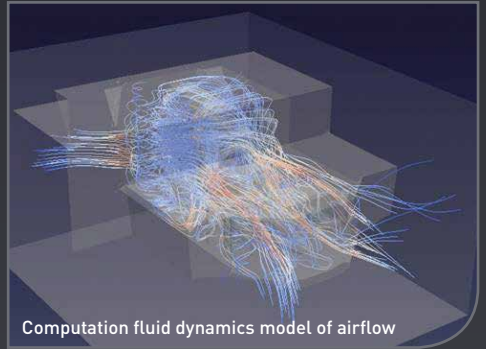


“ SC Innovation has produced a highly effective prototype system taking into account both a demanding technical specification and operator feedback after each trials stage.

RNLI Principal Naval Architect and
Head of Engineering Support



Model of pressure wave intensity during blast test



Computation fluid dynamics model of airflow



Analysis and Validation

Extensive in-house experience gives SC Innovation the ability to offer a uniquely integrated approach to the analysis of structural loading and fluid dynamics. Our capabilities span linear/non-linear static and dynamic structural analysis, using proven methodologies validated to give a high degree of correlation against real-life testing events.

Our experience with specialist vehicles and aerospace structures means our analysts are well versed in analysis, simulation and modelling.

Close correlation with real world testing results in a net reduction in the amount of physical testing required, shortening development times and reducing overall project costs.

- Proof of Concept
- Performance prediction and verification
- Engineering Analysis
- Modelling and Simulation
- Testing, Validation and Certification
- Legislative Compliance
- Resource Enhancement



Product Life Cycle

SC Innovation offer a complete engineering cycle from concept through to production and thereafter continuous development and through-life support. Our renowned agility allows us to turn projects around quickly maintaining momentum for the client.


SC Innovation can provide complete programme management support, on behalf of our clients and partners, on time and within budget.

We benefit from SC Group's extensive, multi-site, in-house production facilities.

- Concept Design
- Rapid Prototyping
- Feasibility Studies
- Design for Manufacture
- Production Engineering
- Programme Management
- Supply Chain Integration
- Spares Analysis
- Design for Manufacture
- Design for Maintenance and Repair
- Contractor Logistic Support and Repair
- Field Support
- Technical Publications
- Education and Training
- Lifecycle Analysis and End of Life
- Value Engineering
- Capability Enhancement
- Knowledge Management
- Technology Road Mapping
- Disposal and Decommissioning



Find out more at [scinnovation-global.com](https://www.scinnovation-global.com)

SC Innovation is part of  Group

Building on three decades of engineering design success, SC Group has grown to be one of the world's leading companies specialising in the design and development of equipment operating in harsh environments. They have a committed team with the skills, expertise and focus to provide the highest value to their customers with bespoke quality products and services.

After a period of considerable growth SC Group continues to retain its focus as 'an innovative design house.' This group of companies, including SC Innovation, has consistently proven to be the place to come for good ideas that can be transferred into the very best products.



scgroup-global.com



United Kingdom

The Airfield
Dunkeswell
Honiton
Devon
EX14 4LF
United Kingdom

T +44 (0) 1404 891777

Australia

198 Lorimer St
Port Melbourne, 3207
Victoria
Australia

T +61 3 8645 8300

scinnovation-global.com