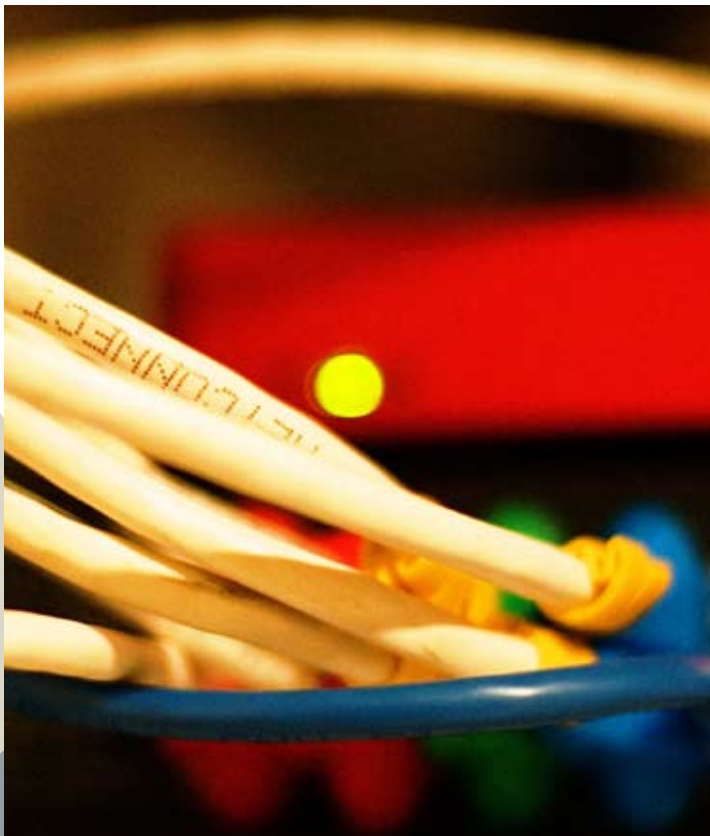


## Systems Engineering and Architecting



**Atkins is the largest multi-disciplinary consultancy in Europe assisting clients across the globe in both the private and public sectors in the delivery of complex capital programmes.**

The delivery of today's modern ATM systems is highly complex and requires an approach that is greater than the sum of its parts. The benefits of systems engineering ensure a balance of:

- Capability
- Cost
- Risk
- Complexity
- Technological choices

Our independent systems engineering consultancy services encompass:

- Operational Analysis
- Requirements Engineering
- Concept and design assessment
- MODAF System of Systems and Enterprise architecture development
- Trade-off analysis
- Through life costing
- Systems Assurance

The Systems and "System of Systems" architecture development uses an approach based upon:

- Understanding key systems engineering drivers and architecture structuring principles
- Focus on the architecting process and the resolution of legacy and migration issues
- Tailored governance and consensus formation constructs
- Standard frameworks for capturing architectural products

Atkins' position on the UK Advisory Board for INCOSE, the International Council on Systems Engineering, ensures we are leading the way with current systems engineering issues and standards such as ISO 15288.

Atkins can draw upon cross-industry experience including Aviation (e.g. Heathrow Terminal 5), Rail and Defence domains to address the ATM challenges of System Wide Information Management.

**For further information on how Atkins can assist you please contact: [andy.whitehead@atkinsglobal.com](mailto:andy.whitehead@atkinsglobal.com) +44(0)7775 997086**