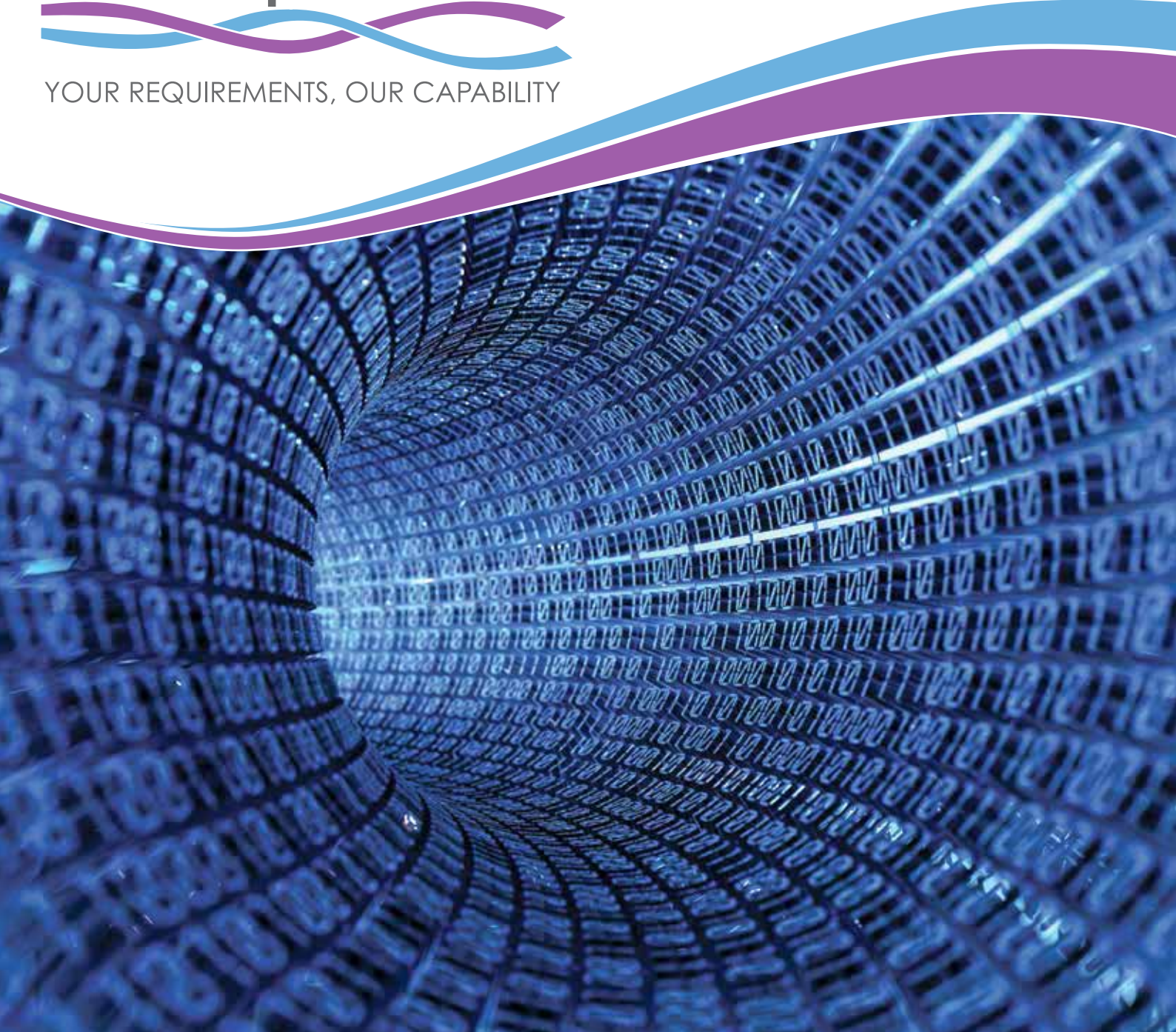




YOUR REQUIREMENTS, OUR CAPABILITY



# Optical & Electrical Engineering Solutions



Cable Assembly



Consultancy



Products



Training



AVoptics Ltd specialises in providing leading solutions for our customers optical, electrical and electronic requirements.

The company was founded by engineers who developed a highly innovative, unique system for the in-field repair of optical fibre cables within harsh environments.

With a team of innovative, highly trained, highly skilled and experienced personnel we deliver solutions that meet the most demanding of requirements.

This level of registration shows our commitment to the highest levels of quality management and continuous improvement initiatives, giving you the assurance that we deliver quality products, on time and to a budget.

## About AVoptics

From those beginnings, AVoptics Ltd has grown into a company that provides high quality innovative solutions to all your, electrical, electronic and optical needs.

Whether for consultancy, design, manufacture, testing or support services AVoptics Ltd will exceed your expectations.

In support of meeting the customers' functional requirements, AVoptics recognises the importance of Quality, Delivery and Value for Money. Therefore AVoptics is registered to ISO9001 and AS9100.

## Quality

With major clients across many markets including Aerospace, Defence and Subsea, we understand the importance of quality to your business. AVoptics is committed to the highest quality control for all of its solutions. Registered to the latest revision of AS9100 and BS EN ISO 9001 AVoptics demonstrates its commitment to providing a quality product and service to our customers. We are approved suppliers to many prime contractor companies.



## Customer Focus

To support, meet and exceed our customer's expectation we have an ethos of continuous improvement at the heart of the company. In order to do this, we have expertise and knowledge within AVoptics covering the whole product lifecycle. AVoptics can meet your requirements for consultancy, feasibility, development through to production contracts and In-Service Support.

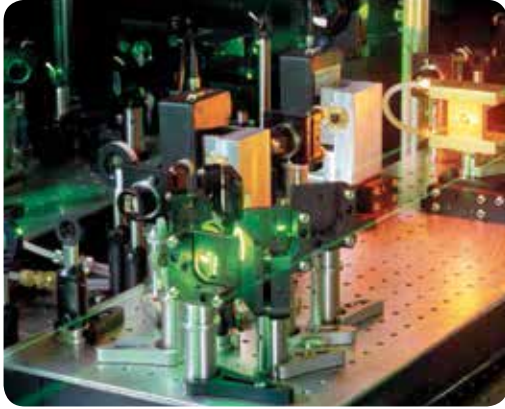
## What We Do

AVoptics provide products and services for the entire life cycle of optical, electrical and electronics systems, this includes:

- Cable assemblies - electrical and optical.
- Consultancy (R&D)
- Training.
- Products and Services.
- Consultancy in photonics.

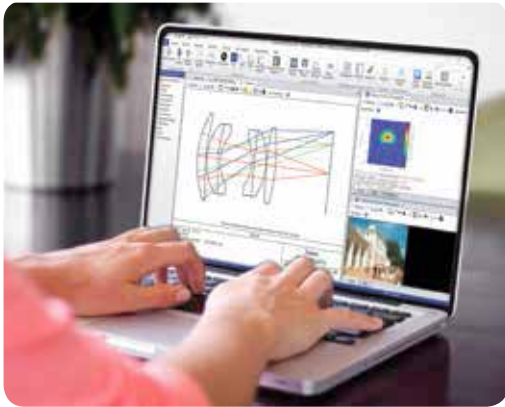
"We would like to thank you and all your staff for their extreme efforts to finish the cables to meet our very tight timescale. Please pass our thanks to all your staff"

**Programme Manager – US Airship Application**



### Optical System Consultancy/Research

With key personal knowledge and experience in optical systems for harsh environments, we are able to provide consultancy services that deliver sound independent advice. This ensures your program risks are well managed. Previous studies have included Plastic Fibre in Harsh Environments, Holey Fibres, Curing Systems, Free Space Optics, In-Field Repair and Fibre Systems in Space Applications.



### Engineering Design

We have a qualified design team that work with a CAD (Solidworks and Visio) and optical modelling software (Zemax) which enables us to create a design, produce drawings and utilise our 3D rapid prototyping capabilities. We can also support manufacturing activities, develop concepts, ideas and products to meet your requirement.



### International Accredited Training

We offer optical training courses to support all our products and services (SAE5602 and Arinc 807). These include: optical termination, husbandry, cleaning, testing, repair and maintenance. For electrical/electronic training we can offer full training for clients to IPC 610,620 standards.



### On-Site Repair

AVoptics specialises in supporting you wherever you are. When a system can't come to us, trained engineers can help diagnose, locate and repair your system whatever the location. To support us with this we have fully self-contained kits which require no external power. This means we get you operational with minimum inconvenience, wherever you are.



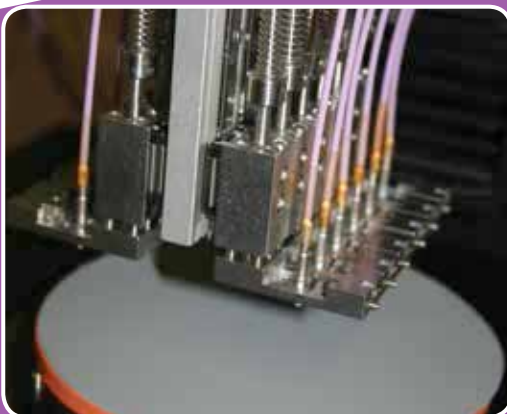
## Cable Assemblies

AVoptics has the capability to design, develop, manufacture and test a wide range of electrical and optical cable assemblies. In order to provide the highest standards of workmanship our production operators have passed the SAE5602 and Arinc 807 course for fabricators and installers.



## Test and Rig Systems

Whether you require design of a complete test system or a simple component, AVoptics have the experience to help you meet your solution in a cost effective way.



## Termination & Production Equipment

Our products provide a turnkey system to our customers. Where no suitable product exists AVoptics developed their own. This has resulted in a range of products that can be supplied individually or as an integrated product.



## Supportability

Being able to support our customer's products throughout their operational life is a key aspect to the AVoptics ethos. AVoptics has developed a range of innovative, maintenance, cleaning, testing and repair kits. AVoptics is committed to meeting your requirements through our capability.



"Just a quick note to say thank you for the work done on the Electro/Optical System rig. Ben has done a very good job and I would be happy to get some more quotes from you for any future rigs we can put your way."

**UK Leading Aerospace Manufacturer**

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