Connections without Compromise

Innovation in MEP
The business was formed in 1981 as an electrical wholesaler and specialist cable distributor. In 1999, they started manufacturing modular wiring solutions. In 2005, they launched the Apex EVO system. In 2010, they established a manufacturing facility in the UAE. In 2012, they delivered the first major healthcare project. In 2019, they launched IDC. Connections without compromise.
Why Modular Wiring?

- **ON SITE LABOUR SAVING OF UP TO 70%**
- **IMPROVED PROGRAM**
- **IMPROVED QUALITY**
- **REDUCTION IN ONSITE WASTE**
- **REDUCE RISK ON SITE**
- **BRITISH MADE**

### APEX VS TRADITIONAL INSTALLATION

<table>
<thead>
<tr>
<th>Product</th>
<th>Labour</th>
<th>Material</th>
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<tbody>
<tr>
<td>Twin &amp; Earth</td>
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<tr>
<td>Conduit &amp; Singles</td>
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<td>Flexishield</td>
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<tr>
<td>AWS Modular</td>
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£0, £7,500, £15,000, £22,500, £30,000
How We Do It

- From DB to final accessory with just a screwdriver
- Simplicity is the key
- Standardisation of products
Delivering a successful modular scheme

- Early engagement is vital
- Standardization of parts
- Schematic approval
- Collaboration with other suppliers
- Factor in spare capacity
- Continuity of work areas
- Early installer adoption
- Identify Interfaces – mechanical, lighting…
HOW WE DID IT…

IRR EDINBURGH UNIVERSITY

The engineering design considered dado trunking to all laboratory areas with multiple services and lighting requirements.

Artech Lighting in conjunction with Apex Wiring Solutions proposed a solution to factory cut and wire each individual section including corners and angles. We also incorporated a lighting solution which removed the need for desk lamps.

Product was delivered to site on dedicated vehicles ready for simple on site installation and connection.

On site installation time was reduced by around 90%
PREVIOUS PROJECTS

- OVER 100 MAJOR HEALTHCARE PROJECTS INCLUDING ROYAL LONDON AND ST BARTS

- OVER 300 COMMERCIAL AND FIT OUT PROJECTS INCLUDING HEATHROW AIRPORT AND MANCHESTER AIRPORT

- OVER 100 EDUCATION AND SCHOOL PROJECTS

- OVER 20000 RESIDENTIAL PROPERTIES WITH OUR SYSTEM INCLUDING ATHLETES VILLAGE LONDON 2012 AND AL ZEINA PROJECT ABU DHABI

- OVER 50 MAJOR EXPORT PROJECTS INCLUDING YAS F1 CIRCUIT ABU DHABI
MANAGED DELIVERY:

- Eliminate waste by removing packaging
- Reduce injury by reducing manual lifting
- Correct product to correct zone or DB location
- Returnable
- Safety features including lockable, steerable wheels, fork-truck lift points
INNOVATION & THE FUTURE

THE BUSINESSES CONTINUES TO GROW AND INNOVATE WITH NEW SOLUTIONS TO AGE OLD PROBLEMS ALWAYS IN OUR MIND.

- INSULATION DISPLACEMENT CONNECTOR SOLUTION FOR RESIDENTIAL
- PUCs PREFARBRICATED UTILITY CUPBOARDS
- CONSTANT DEVELOPMENT OF LIGHTING SOLUTIONS
Quality

With a quality conscious approach to manufacturing and design Apex has developed an enviable reputation in our chosen markets.
Satisfaction

By listening to and acting upon customer feedback we have molded a diverse range of products, which is the envy of the market.
The People

By putting people first we have been able to create an atmosphere that delivers to the customer without the distractions of a busy office and factory.
Making more than products and promises……
Change the way the world is wired

To manufacture the most cost-effective lighting solutions on the market – providing innovative products, outstanding quality and delivering the finest service and value to EVERY customer.
The future of construction

CONSTRUCTION AND ENGINEERING ARE CHANGING

Safer
Smarter
Faster

We face economic pressures and the need to work more sustainably.

Offsite Construction techniques have transformed the industry and it is vital for the future success of the industry.
Manufacture M&E building services solutions for the construction industry.

Offer customisable and engineered solutions to meet the demands of our clients.

Manufacture the highest quality products in a clean and productive facility.

Innovate through product development.
Dedicated in-house BIM development team

Over 100 technical designers and managers

Over 60 BIM/CAD Coordinators

BREEAM assessment (all sectors)

Low Carbon Energy Assessors and in-house building physics team

Design for manufacture with delivery from our dedicated Offsite Manufacture facility

BIM - Ensuring right first time construction - reducing risk, increasing quality through our innovative BIMHAWK solution

BSI Kitemark certified to ISO 19650 BIM Level 2

Our technical capabilities
Why we do it

Better health and safety on site
Over 1.3m hours RIDDOR free
Reduces environmental impact – minimal waste
Enhances product quality

RIDDOR Free since 2011

Improved Programme Security
Minimises onsite disruption
Improve productivity – onsite and offsite
Provide engineered complex solutions
Fast-paced project

Innovative Bridge service structure

Innovative & practical
Horizontal multi-service modules which enable 56m to be installed every day

Time
Removes more than 17,500 hours of work away from site
Manchester Engineering Development Campus (MECD)

Nearly 10% of project value is through offsite – **offsite is circa £7m**
Using our dedicated in-house BIM team to streamline the design process.

Developing a standard catalogue of component parts – quicker and more cost effective.

Modelled in Revit then automation software creates production drawing.

Innovating for the future.
QUESTIONS?