

Project Review

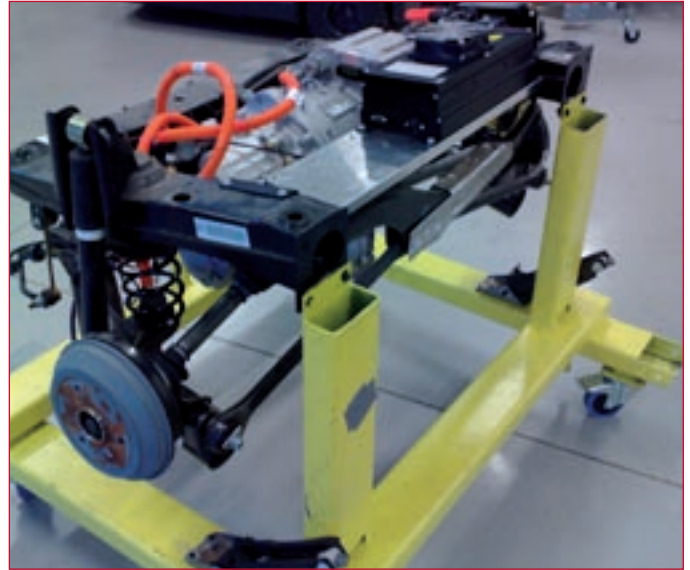
Zytek Electric Vehicles

Company

Zytek offer specialist expertise in developing electric and hybrid engine systems for concept and production vehicles.

Application

The Panel Projects team developed a bespoke panel for the engine compartment to house essential electronics for a new electrically powered Smart car. The new powertrain is being trialled in 100 vehicles. If successful, it will go into full production.



Project details

Project	Prototype Smart car
Location	Repton, Yorkshire
Use	Electric car modification
Panel core	Aluminium Honeycomb
Panel Thickness	10mm
Panel facing	Aluminium sheets
Extra info	CNC precision punched aluminium sheets
Panel requirements	Lightweight and non-corrosive
Number of panels	100

Project Review

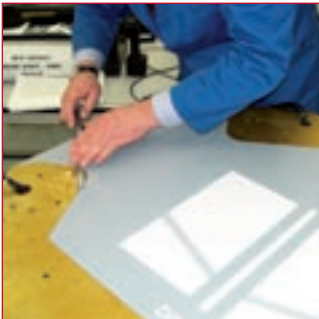
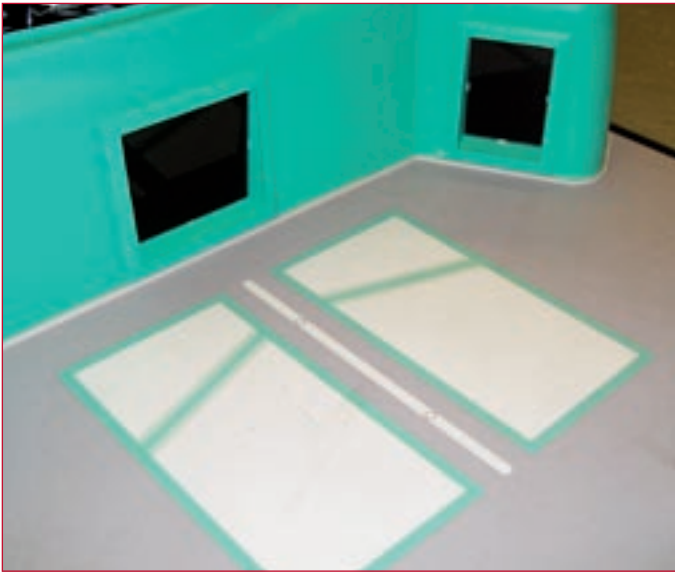
Plexus Corporation (UK) Ltd

Company

Plexus is a leader within the fast growing Electronic Manufacturing Services industry. They help turn design concepts into products. Plexus provides a full range of product development and manufacturing services for customers in the networking, medical, industrial and computing industries.

Application

Develop a honeycomb base for a new laser powered foot measuring tool. It needed to be tough, comfortable for customers and long lasting. Now in full production, the new tool is being used in Clarks shoe stores nationwide.



Project details	
Project	Base panel for laser foot measuring tool
Location	Kelso, Scotland
Use	Foot measuring in branches of Clarks shoes
Panel core	Aluminium Honeycomb
Panel Thickness	15mm
Panel facing	Aluminium sheet
Extra info	Hexagonal panels, CNC precision punched
Panel requirements	Specialist project
Number of panels	500

Project Review

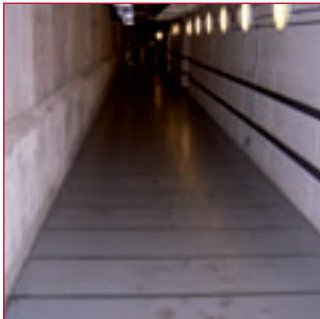
British Museum

Organisation

Museum displaying a world-wide collection of art and antiquities from ancient and living cultures. Housed in one of Britain's architectural landmarks, the collection is one of the finest in existence, spanning two million years of human history.

Application

Replace $\frac{3}{4}$ km of sub basement walkways throughout the museum. The walkways are built over essential piping and electrical supplies, so fast access to any section is crucial. We created a smooth, lightweight surface that could withstand the necessary weight load of ancient artefacts and also reduced the noise levels created by the floor.



Project details	
Project	Quick release floor for storage corridors
Location	London
Use	Sub-floor walkways
Panel core	Aluminium Honeycomb
Panel Thickness	55mm (with legs – 90mm)
Panel facing	Galvanised 2mm
Extra info	$\frac{3}{4}$ km of floor
Panel requirements	Smooth surface, lightweight, strong enough to withstand a weight of 2 tons
Total area of panels	800, 500m ²

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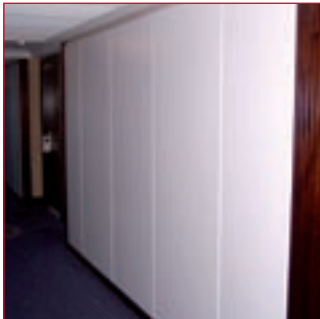
Royal Garden Hotel

Company

At the heart of London's most sought after locations this 5-star hotel in Kensington is the place of choice for many famous dignitaries and international sports people.

Application

Supply and delivery of corridor duct access panels for two floors. Specification included the special requirement for lightweight hidden fix panels with a high quality finish.



Project details	
Project	Royal Garden Hotel
Location	Kensington, London
Use	Corridor Panels
Panel core	Aluminium Honeycomb
Panel Thickness	19mm
Panel facing	Galvanised steel with special print finish
Extra info	Lightweight with hidden fixtures
Panel requirements	Supply panels to complete 2 floors of 6
Number of panels	166 panels

Project Review

Phoenix Lifts

Company

Phoenix Lifting Systems design, manufacture and install platform lifts for the less-able in both residential and commercial properties. The company manufactures four standard models and also specialise in producing bespoke lifts.

Application

Supply and deliver an alternative product to replace existing core materials for the production of platform lifts. Strength, lightness and durability were key considerations in the design and construction process.



Project details	
Project	Phoenix lifting systems
Location	Salisbury
Use	Manufacture of external lift shafts
Panel core	Aluminium Honeycomb
Panel Thickness	11mm
Panel facing	1mm chrome aluminium
Panel requirements	Ongoing supply of panels
Number of panels	804 per month (613.44m ²)