

We turn
technologies into products

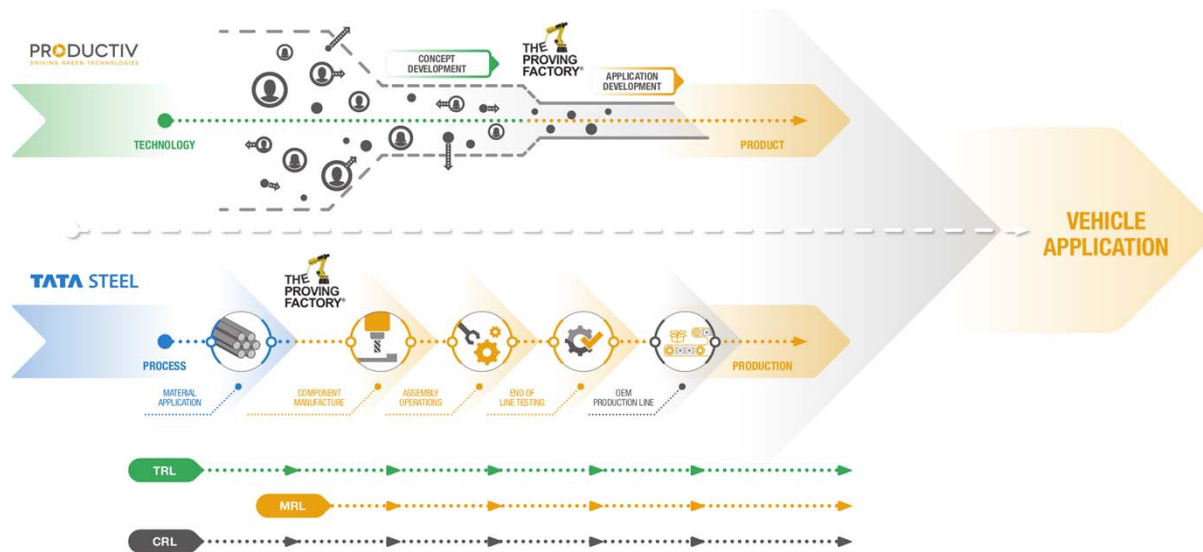


then we
make them


**THE
PROVING
FACTORY®**



Bridging the gap between technology developer and OEM



The Proving Factory

is a unique engineering, manufacturing and assembly organisation within the UK automotive industry.

BRIDGING THE GAP BETWEEN TECHNOLOGY DEVELOPER & OEM



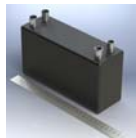
Opportunities for Technology Application



- Hydrogen:
- Co-combustion for particle count reduction
 - Improved DPF operation



Variable drive supercharger for engine downsizing



Heat batteries for cabin heating



Electric boosting for engine downsizing



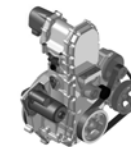
Inboard direct drive traction motors



Flywheel technology for braking energy regeneration



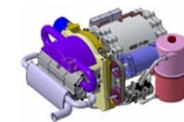
High efficiency transmission for electric drive



- Liquid air engine
- Power for hotel loads
 - 'Cold' for air conditioning



- Range extender
- 50kW
 - Ferrite magnet
 - Replace alternator with electric generator



- Micro gas turbine
- Range extender power
 - Hotel load power
 - Combined heat and power



Proving Production

Component Manufacture

1,000 m² of component manufacturing space in Rotherham.

Manufacturing infrastructure including supply chain, measurement, inspection & CAM programming

Invested in state of art processing machinery



Proving Production

System Assembly

6,000 m² of assembly, warehouse and office space in Coventry

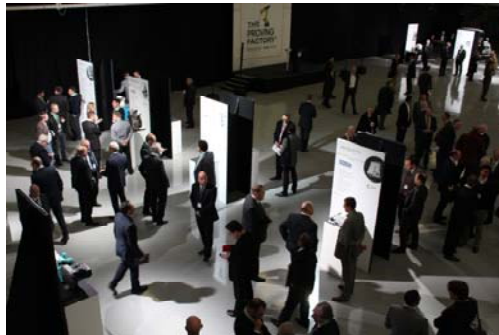
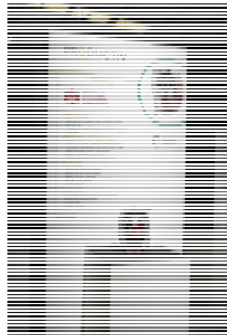
First production start February 2015,

Process development area and first manufacturing cell being set up .

Assembly capabilities – Electrical machines, transmissions, engines, power generation units (range extenders)



Open for Business



There were a number of **early stage technologies & advanced propulsion products** on display.

