



DIRECTECH GROUP

CORPORATE PRESENTATION

FOUNDED IN 1993

GROUP HISTORY

Directech group was founded in 1993 by Peter Erasmus (current CEO). The company started as a control and automation solution provider. Through the years of operation going towards 1998, it evolved towards being a mechatronics solutions provider, due to South African customer demand for companies capable of doing both mechanical and control automation solutions.

Directech (Pty) Ltd company evolved to become the mechatronics innovation and development company under the Directech Group.

In 1998 a sister company Anytech was founded with the need to separate control automation from Directech's mechatronics turnkey solutions. Anytech is a distributor of control automation equipment & scada, such as PLCs, HMI, Software, etc.

In 2008 South Africa experienced power shortages and an opportunity arose to supply custom made power diesel power generators. This gave birth to another subsidiary company named Hawkpower with focus on power generator solutions.

In the last four Directech business started diversifying more in other mechatronics sectors and expanding into other South African provinces.



GROUP STRUCTURE



PETER ERASMUS
Group Founder & CEO

DIRECTECH
Industrial Mechatronic Solutions

DIRECTECH (PTY) LTD

PETER ERASMUS



ANYTECH

BRYAN DRAPER



HAWKPOWER

JOHAN VAN DER WALT



LISTER PETTER

BRYAN DRAPER

BRANCHES



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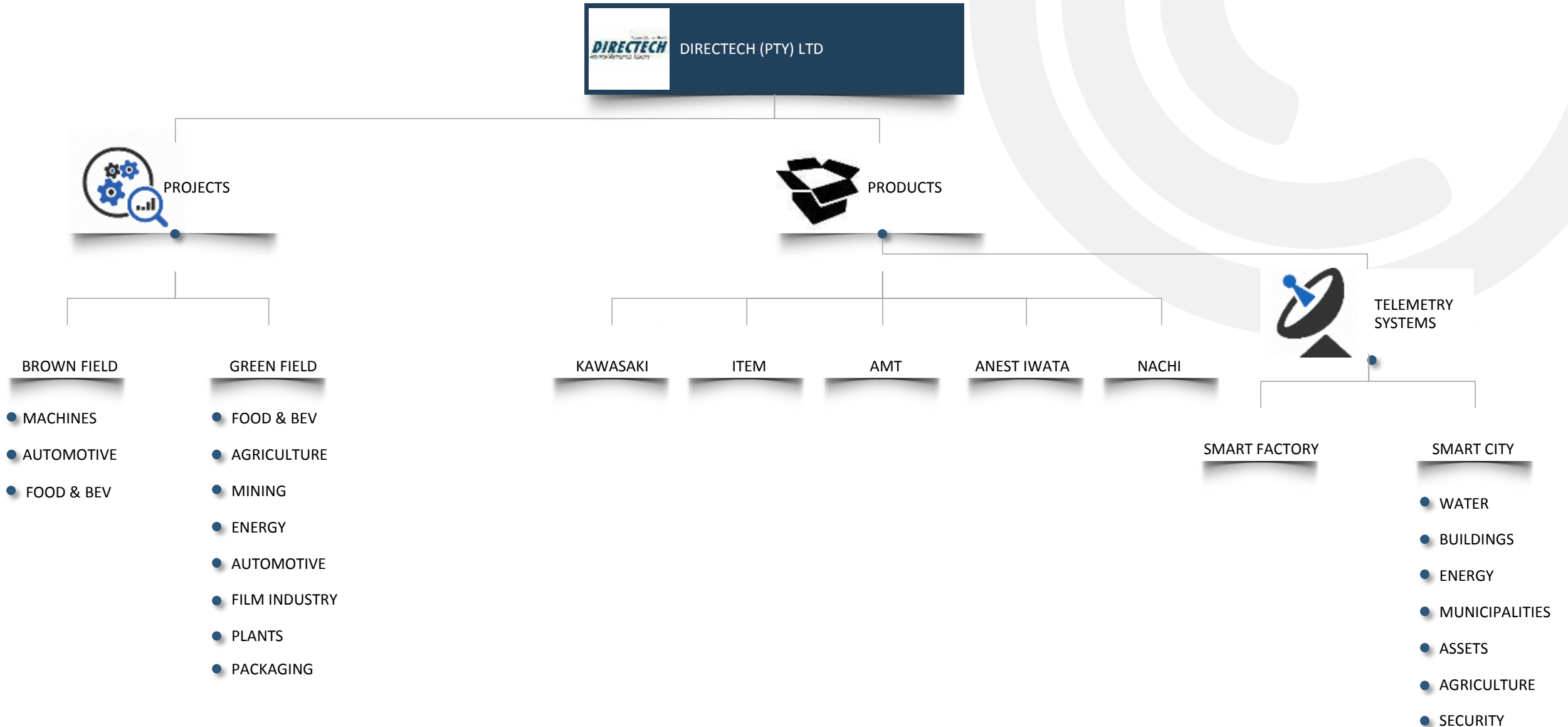
DIRECTECH (PTY) LTD

Directech (Pty) Ltd is a mechatronics innovation and development company that specialises in bespoke industrial turnkey solutions, comprising of robotic solutions (**Kawasaki, Nachi**), machine building solutions, automated torque tool systems (**AMT**), automated guided vehicle solutions, telemetry (smart city/factory) systems, packaging solutions, aluminium kits building solutions (**Item**), and spray painting solutions (**Anest Iwata**).

“We specialise in taking ideas and concepts from our customers and in return, turn them into reality, with quick turnaround times of 8 to 12 weeks, from concept to actual functional solutions.”

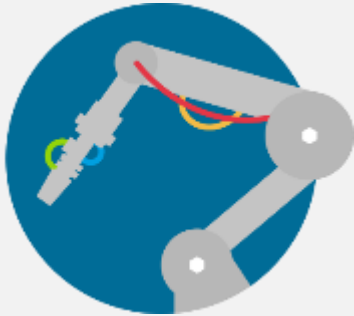


SERVICE OFFERING STRUCTURE



DIRECTECH TURNKEY SOLUTIONS

Robotics



Machine building (Design, manufacturing & installation)



Factory transfer systems (i.e. Conveyors, shuttles)



Packaging systems



Automated Guided Vehicle



Telemetry (Smart factory/city)



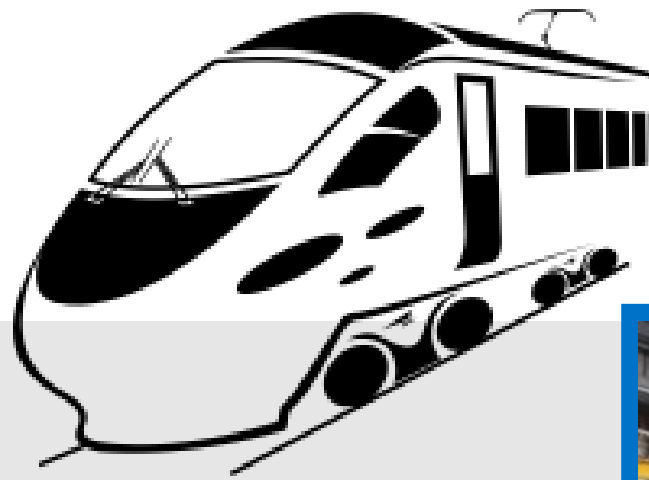
Spray painting systems (automatics & manual)



Research & Development



RAIL



Since 2015 Directech has been heavily involved in the locomotive and rail manufacturing industry, with supplying of equipment such as:

Assembly, testing & commissioning Platforms

Pony bogies

Locomotive maintenance tools

Heavy duty lifting equipment

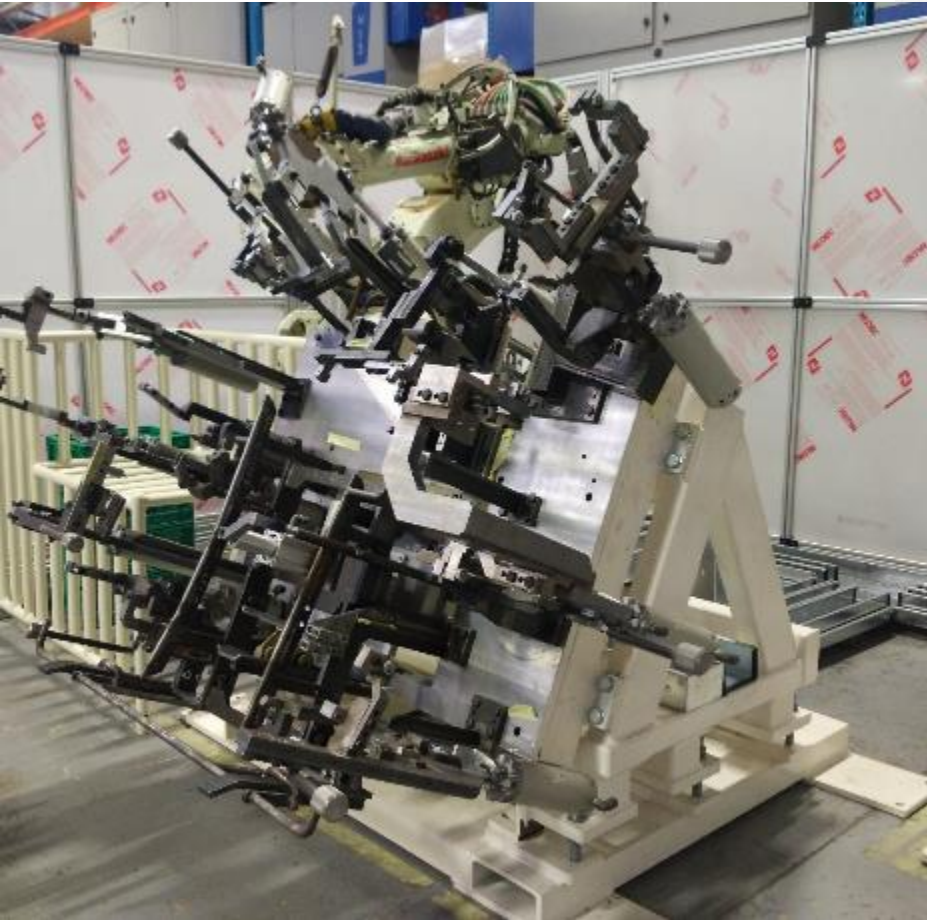
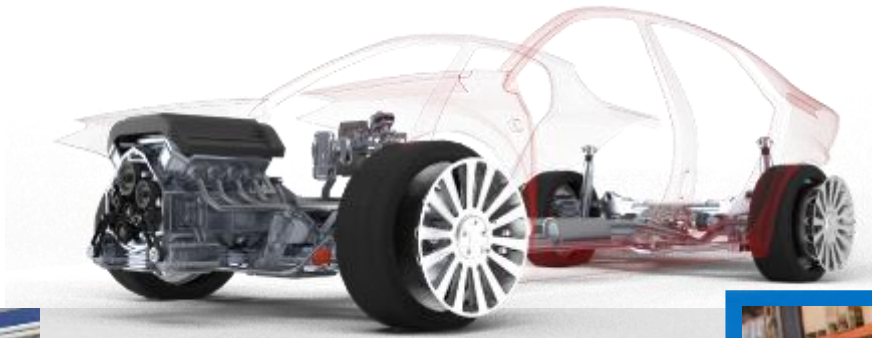
Special purposed installation jigs

Various heavy duty assembly line jigs

KEY CUSTOMERS: GIBELA, ALSTOM



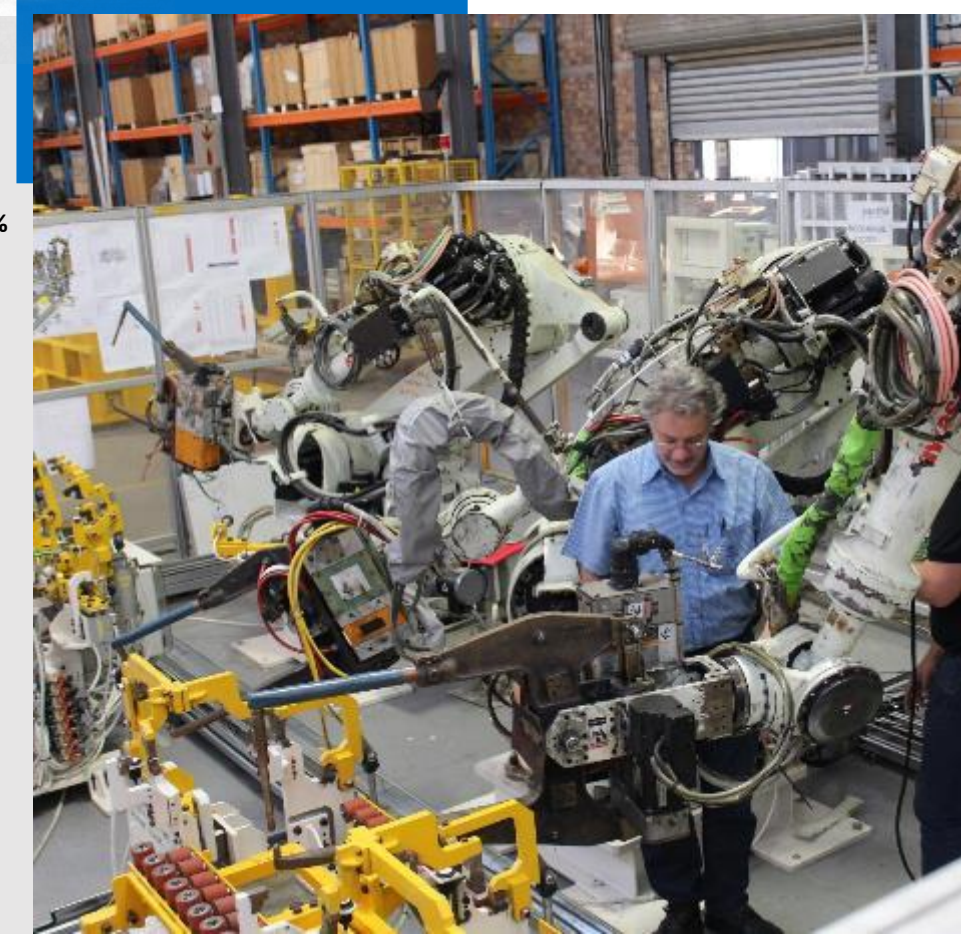
AUTOMOTIVE



Automotive has been one of the pillar industry that has sustained Directech with an average of between 30% - 65% of year to year revenue. Directech has been supplying equipment to the automotive industry such as:

- Jigs and fixtures
- Robotic solutions – grip, weld, handle, glue
- Handling solutions
- Torque tools
- AGVs
- Sub assembly shuttle systems
- Aluminium profiles
- Platforms
- Automation & Control

KEY CUSTOMERS: TOYOTA, BMW, FORD, NISSAN



FOOD & BEVERAGES



Over the past 24 years Directech has mastered the art of manufacturing bespoke food and beverage machines such as:

- Water bottling machines
- Various packaging machines
- Forming machines
- Sorting machines
- Wrapping machines
- Goods handling machines
- Automation & control

KEY CUSTOMERS: CHEP, AQUAZANIA



ROBOTICS



KAWASAKI



Directech is the distribution partner of Japanese industrial robotic brands such as Kawasaki and Nachi. *"We specialise in robotics distribution, spares supply, systems design, integration and bespoke solution to fit our customer needs."*

Over the years Directech has developed turnkey robotic solutions such as:

Detonator manufacturing cells

Welding cells

Handling cells

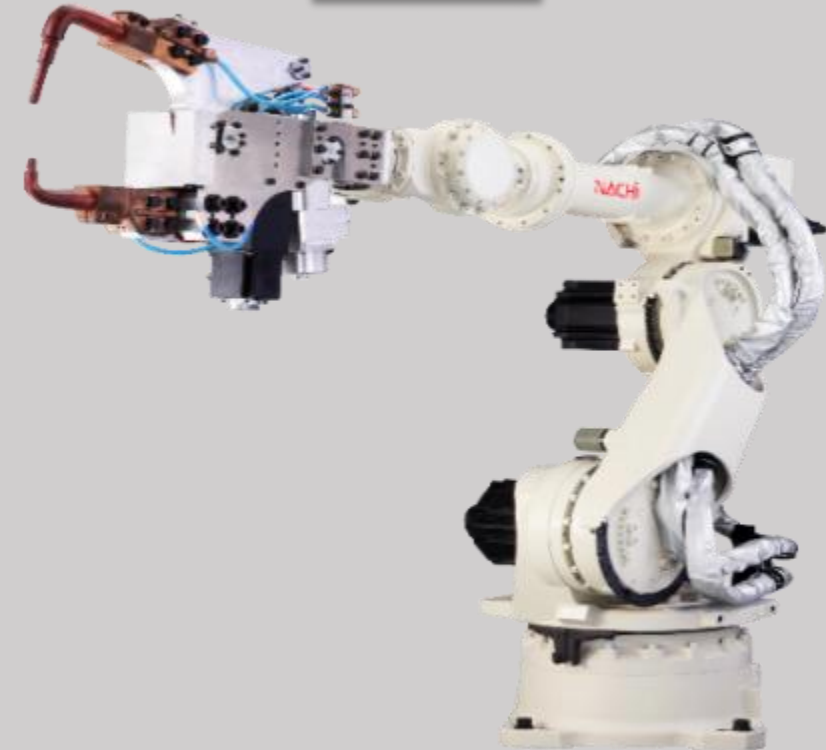
Adhesive applying cells

Packaging cells

Note: Directech is not limited to above brands when it comes to turnkey solutions. We have worked with brands such as ABB, Fanuc, Kuka, Panasonic, etc.

KEY CUSTOMERS: TOYOTA, FORD

NACHI



MINING



Due Directech's diversity in mechatronics, in 2008, Directech was able to sustain its revenues through the mining industry, during the credit crunch period that liquidated many companies in the world.

Directech has been supplying solutions such as detonator manufacturing cells and mould extraction jigs to the South African mining industry.



AUTOMATED GUIDED VEHICLES SOLUTIONS



AGV MANUFACTURER

Directech is a South Africa manufacturer and provider of custom made automated guided vehicles. Directech is on its fourth generation of its automated guided vehicles, since 2005. Directech has mastered technologies behind automated guided vehicles with development of AGV using technologies such as induction power transfer, magnetic guiding strips, two wheel drive and turn, remote controlled driven industrial vehicles for the rail industry, as well as heavy duty scissor AGVs.

Directech AGVs are used in multiple industries for:

Trailer hoisting

Loading

Conveying

Lifting

Transporting

KEY CUSTOMERS: AEL, NISSAN, BMW, ZF LEMFORDER



SPRAY PAINTING EQUIPMENT



Directech is a partner for Japanese Anest Iwata spray painting equipment and solutions.

"Our solutions includes equipment such as:"

Spray booths & ovens

Airless spray gun

Cup spray guns

Compressors

Automatic spray guns

Diaphragm pumps

Pressure paint pots

Spares

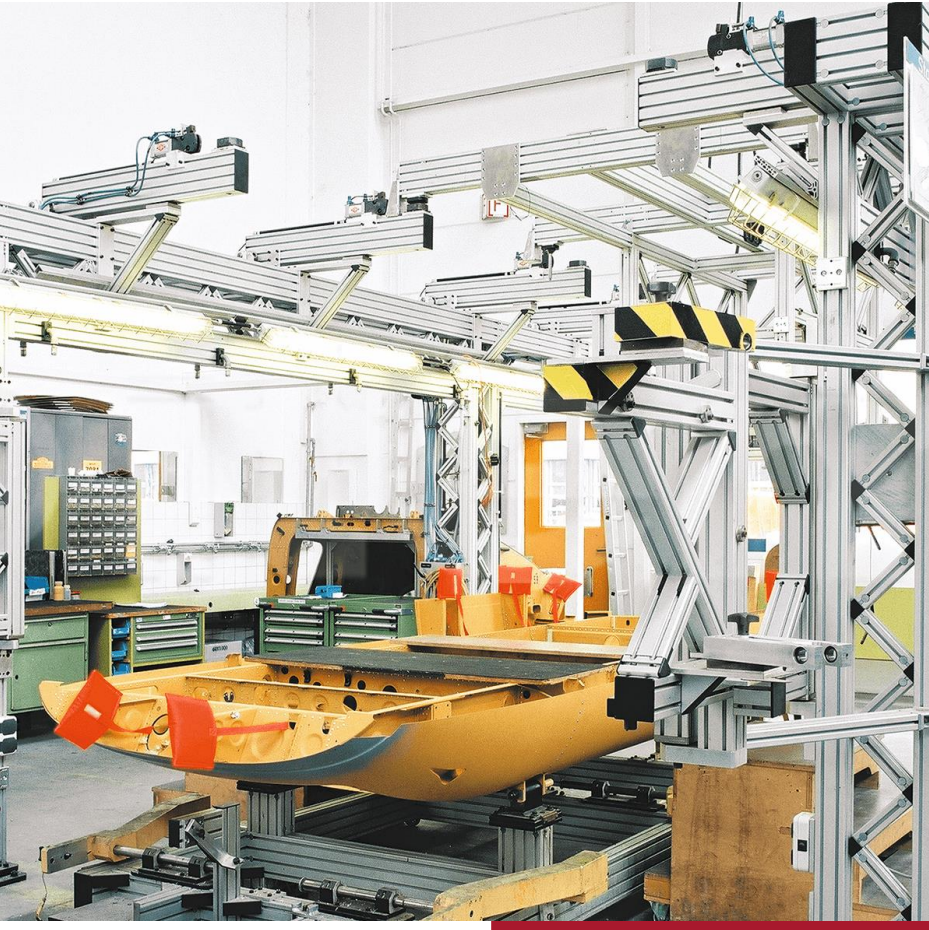


ITEM

ALUMINIUM KIT BUILDING SOLUTIONS

Directech is the distributor for aluminium kit building profiles solution from a German company called ITEM. Over the years Directech has used these profiles in building various equipment such as machines, tables, work benches, conveyors, stands, etc.

Directech also supplies different profile sizes, and its innovative accessories to customers includes but not limited to laboratories, pharmaceutical plants, Food & Bev factories, universities, as well as those in the automotive industry.



AMT

AUTOMATED TORQUE TOOLS



For many years, Directech has been supplying and supporting the South African automotive industry with automated torque tool from a German company called AMT.

Directech is the sole distributor of AMT products in South Africa.

"We provide torque tools solutions that includes:"

Installations

Support

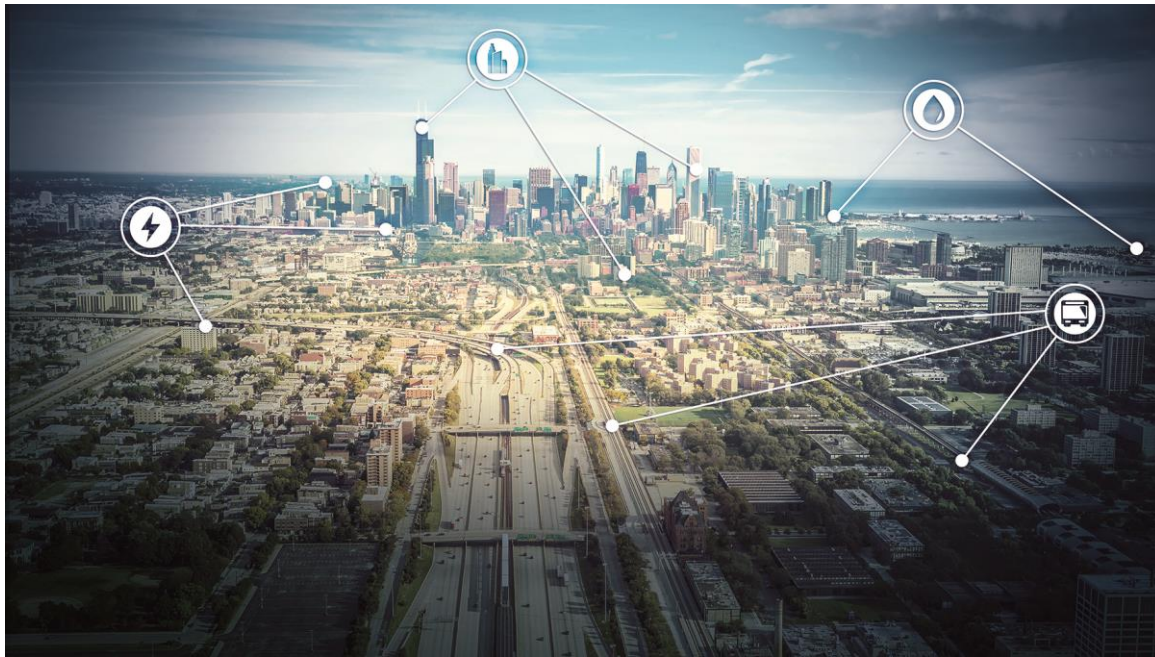
Repair & maintenance

KEY CUSTOMER: BMW

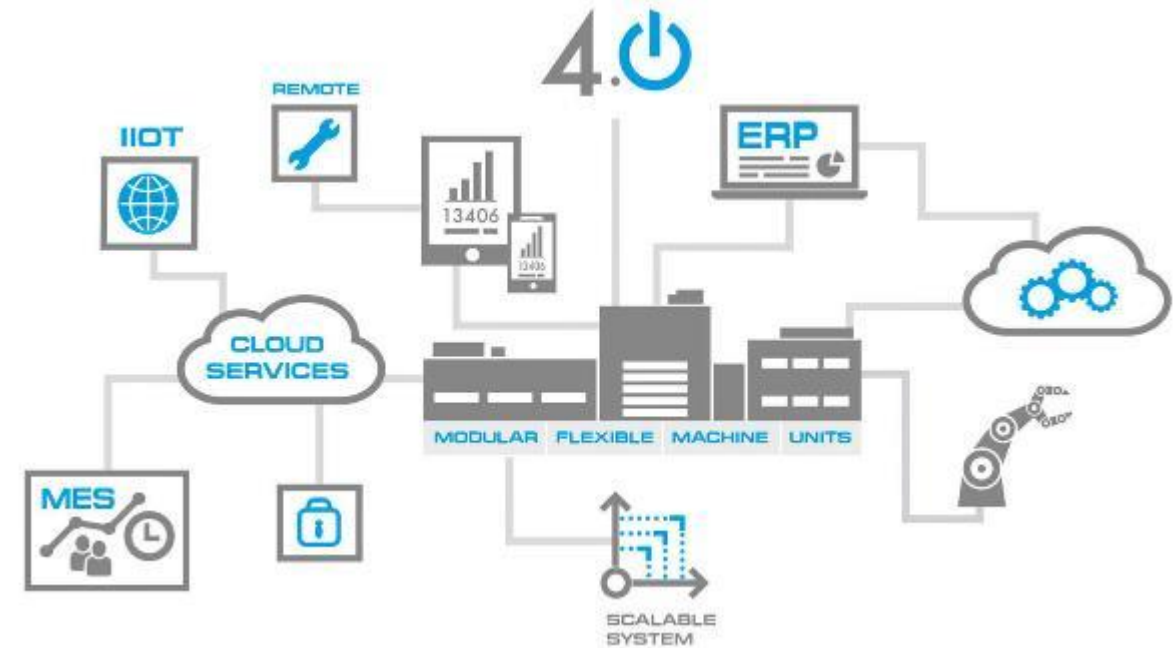


TELEMETRY

Smart City Connection



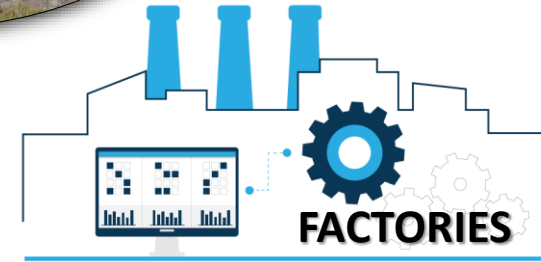
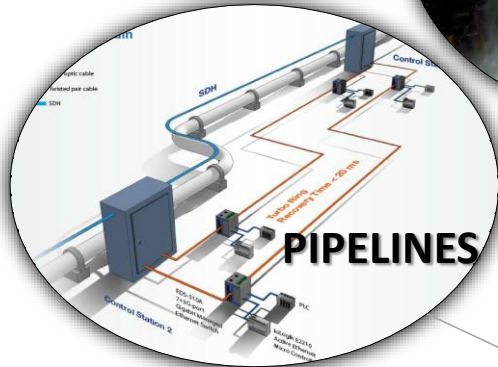
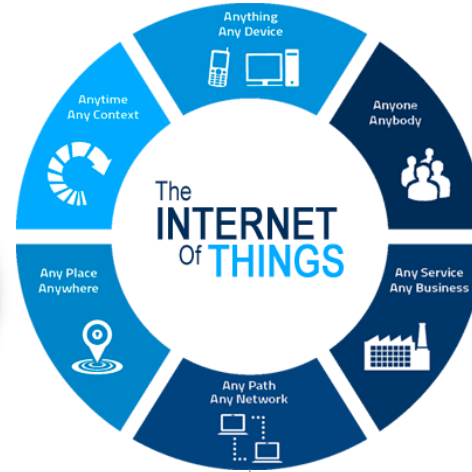
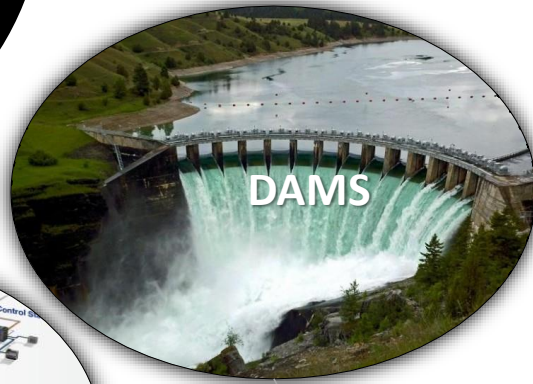
Smart Factory Connection



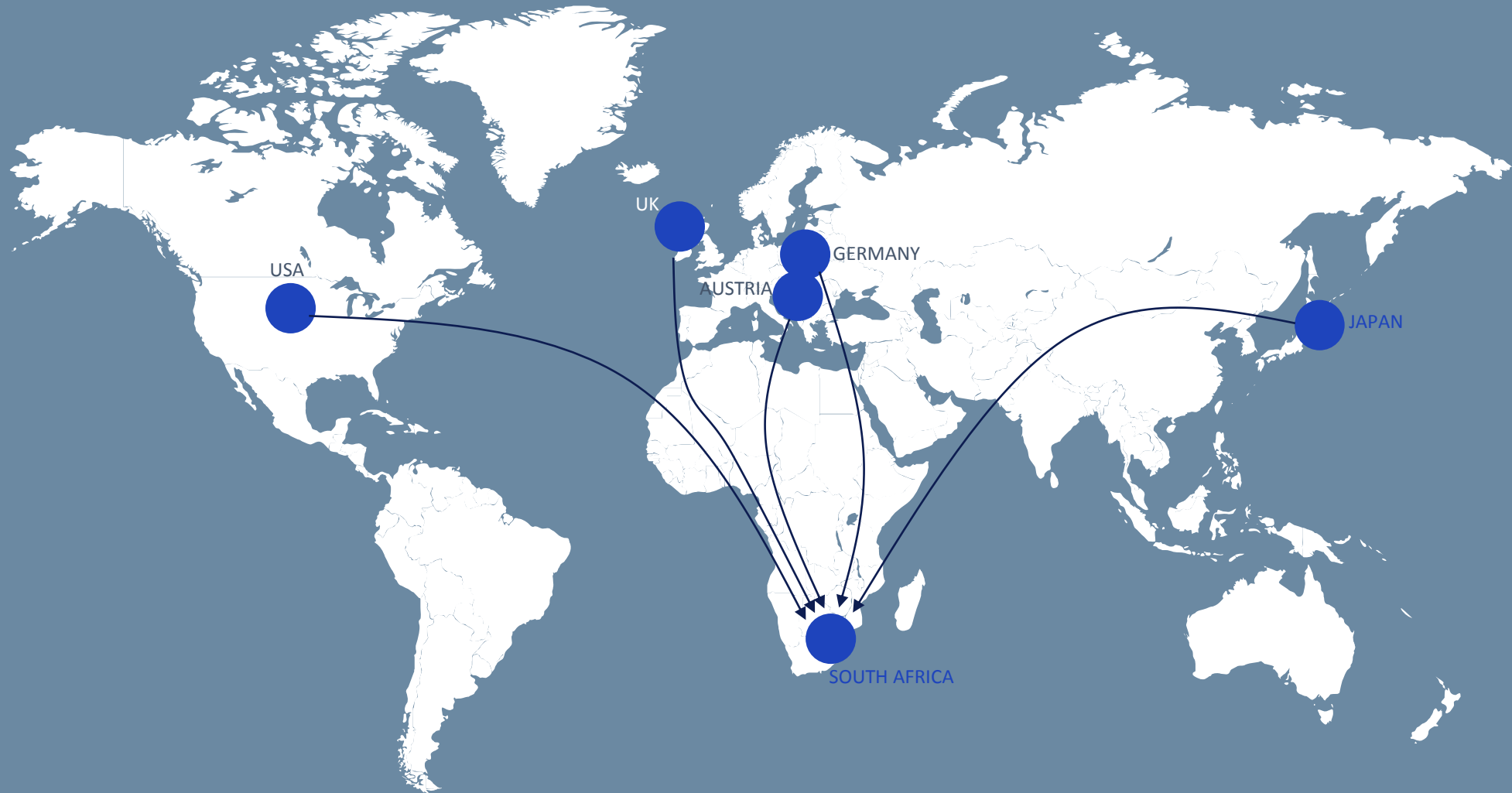
CONNECTING TOGETHER INFRASTRUCTURE IN MUNICIPALITIES, CITIES, FARMS & FACTORIES

DAMS MONITORING, MULTIPLE FACTORIES, REMOTE SITES, ENERGY CONTROL, PIPELINES, ASSETS, BUILDINGS, TRANSPORT

TELEMETRY ARCHITECTURE



WORLDWIDE PARTNER NETWORK





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