

Case Study

Manufacturing

CAPTEC

Tried, Tested and Trusted



customer The

The customer is a well established systems house, providing innovative solutions based on ERP and SAP core applications, to address production and logistical processes, and connecting them to optimise the complete production plan.

The company provide systems to the automotive, manufacturing, pharmaceutical, telecommunications and retail sectors, across many countries.

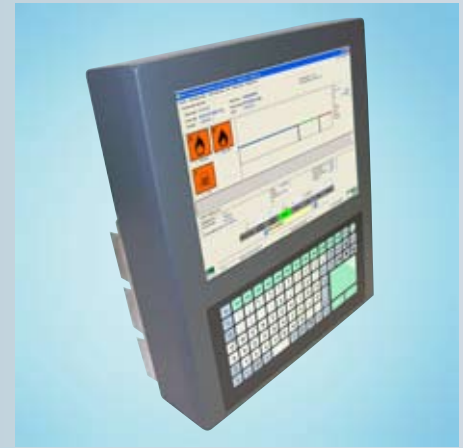
Manufacturing Execution Systems

Requirements and issues

- The worldwide shift of manufacturing to lower cost economies is highlighting the need for continuous improvement. Information gathering and knowledge sharing are amongst manufacturing's most powerful tools in the quest for higher efficiency.
- The emergence of software solutions for Enterprise Resource Planning (ERP) and Manufacturing Execution Systems (MES) is creating a requirement for cost effective, flexible and user-friendly PC platforms.
- Captec's customer, a well established systems house, provides innovative solutions and addresses the needs of a wide range of customers across many industries and countries. In selecting a business partner to supply the computer hardware for their mission-critical production applications, they undertook a rigorous assessment process before choosing Captec.
- High reliability that ensures mission-critical processes and procuring the latest technology at a good price / performance ratio were the most important issues to the customer when choosing their technology partner.
- The terminal PC should be based on a standard platform in order to benefit from future developments in this rapidly growing market. The integration of specific RFID-readers and the future adoption of alternative scanners was also a requirement.
- The customer requested that a range of 4 variations of the MES adaptable terminal PC is available, based on different operating systems, with flexibility of use with or without a customer specified Radio Frequency Identification (RFID) reader. The system should be built as a Commercially-off-the-Shelf (COTS) system, available for direct shipment to any end-user.



The value proposition



Captec is a well established company with a long track record and proven experience in managing medium to large OEM projects with long term roll-outs, and an ability to accommodate the customers demanding requirements.

Captec has achieved substantial market growth and product awareness since its adoption of this platform in 2002, with the supply of IT equipment in the production process and MES market.

The resulting partnership sees both companies focusing on their specific areas of competence to deliver the maximum overall value and quality to their customers.

Captec has the ability to design innovative solutions for thermal management and the IP65 environment.

Captec possesses process and production sector competence, extensive technical expertise and knowledge base accumulated over many years of experience, with the ability to provide technology and business solutions for diverse customers and applications.

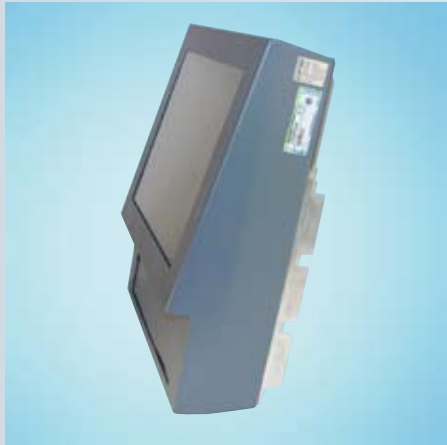
Operating an extensive and well established global supply chain network to obtain best price/value components, with the ability to leverage cost advantages.

An ISO-9001 quality certified partner, providing a comprehensive manufacturing management controls system, with a customer focused and flexible business model to deliver solutions into different stages of the existing supply channel.

An ability to customise and modify by a dedicated open R&D department, but based on a standard platform, to increase competitiveness and provide flexibility for future technology change.

The solutions

The outcome



Katana IP /TS - Compact touch screen unit, ideal for use in manufacturing using iconic displays.

Katana IP /KB /TS - Touch screen with embedded keyboard for more complex data entry.

Katana IP /RFID - Modified version of the /TS with expansion for card reader, providing secure keyed entry.

- ✓ Captec supply the systems integrator with a variant of the Katana series which has been configured to optimise the performance of the software application.
- ✓ Custom design of Standard Device ensuring differentiation of Terminal PCs compared to the competition. This provides the customer with maximum flexibility and a unique position to utilise the limitless variations of future PC technology.
- ✓ The supply of customised, application-specific IT hardware, on time and to budget, suitable for international roll-out (USA, Europe, and Asia).
- ✓ The provision of change control mechanism implementation, and long term expert technical support.
- ✓ This OEM product was based on the successful Katana IP /TS series and includes enhanced features to meet the demands of ERP, MES, and Computerised Maintenance Management Software (CMMS) applications. The Katana IP65 features high levels of IP protection, as well as a highly reliable fan-less operation and the latest cooling technology without compromising on performance or affordability.
- ✓ This project enables Captec to offer a range of products for Terminal PCs based on Windows, Linux OS or even Thin Client application to fulfil the increasing demand of MES applications.
- ✓ The provision of overall project risk reduction, through partnering with an industry leader with a Tried, Tested and Trusted reputation.

OUR PURPOSE - To be the recognised global leader in the design and manufacture of reliable and affordable industrial computers fit for demanding environments.

CAPTEC

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UK Office

Captec Ltd,
Brunel Way, Segensworth,
Fareham,
Hampshire, PO15 5TX, UK.
www.captec.co.uk
Tel: +44 (0) 1489 866066
Fax: +44 (0) 1489 866088
Email: sales@captec.co.uk

German Office

Captec GmbH,
Karlsruher Strasse 11/1, D-70771
Leinfelden-Echterdingen,
Germany
www.captec-gmbh.de
Tel: +49 (0) 711/220630 00
Fax: +49 (0) 711/220630 25
Email: sale@captec-gmbh.de

North American Office

Captec Americas Inc.
675 Queen Street South
220 Woodside Business Centre
Kitchener, ON, N2M 1A1 Canada
www.captecamericas.com
Tel: +1 (519) 576-3336
Fax: +1 (519) 576-3992
Email: sales@captecamericas.com



INVESTORS IN PEOPLE



Strenuis Ardua Cedunt - Difficult things fall to the strong

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