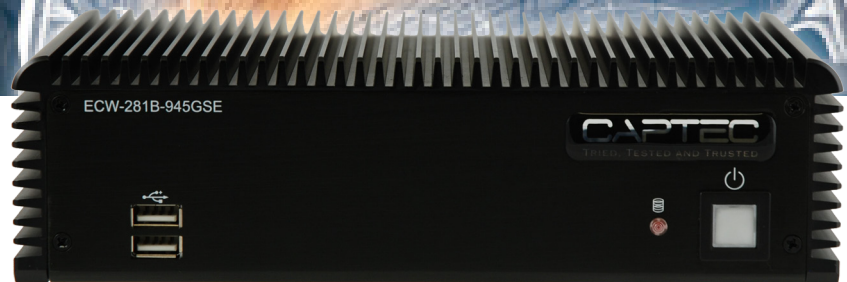CAPTEC

Automotive Production

Vehicle Testing

> "The new Captec solution has significantly improved performance, reliability and support. A number of testers are used in the facility. At a 'Buy Off' tester all previous results from all testers within the facility are checked to ensure that the vehicle has no failures and it can then be 'bought off' on the system."

Senior Contracts Engineer

The solution is for a company who provide software engineering services for world-leading auto-manufacturing plants. Captec's hardware enables their scalable software solutions to be tailored to specific production environments, covering assembly, testing, configuration, ECU Flash programming, component

Requirements & Issues

▼ Embedded computers intalled in electrical enclosures

▼ Runs 24/7 in a production environment

▼ For connection to a remote central server which receives and sends results based on the testing requirements within the end of line or rectification process

▼ Run the customer's bespoke Linux software and the user interface for the test sequences

▼ Receive configuration changes/updates from a 'management PC' on the same network. Sequence changes are made on the management PC and released to all or a specific tester

CAPTEC

The Solution

- Captec developed embedded computers
- Preinstalled with customer's operating system
- Connects to the vehicle using WiFi
- Downloads and configures the test functionality
- Transmits results to server

The Outcome

- Smaller footprint than the original 19" rack mounted PC
- Higher quantity of on-board serial, USB and Ethernet ports
- Helped customer move towards off-the-shelf third party IO modules as opposed to designing and building our own
- Better reliability
- Lower cost
- Long term support

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