

Season's Greetings

S4 Integration

December 2011

Volume 2 Issue 2

As another successful year comes to an end, S4 Integration would like to take the opportunity to thank our loyal customers for their contribution to the company during 2011.

The year started off with a bang with large installations at Ford Motor Company South Africa which kept us well occupied for the first months of the year. The year quickly progressed with many new interesting projects and orders flowing in, despite the looming economic situation.

We are once again fortunate to start the New Year with some fair sized projects. We do however anticipate that 2012 will be a quieter year in general and with this in mind we will focus on three aspects of the business for 2012 – *Quality, Project Management and Marketing*. Both Quality and Project Management will receive attention with the goal to further improve on delivery times and Quality to our customers.

Sales and Marketing efforts will increase and will focus on both Turnkey Solutions and direct sales.

We would like to wish you and your families a safe and relaxing break and look forward to working with you in the New Year.

“You can't build a reputation on what you are going to do.”

- Henry Ford -



Special Points of Interest

S4 Knowledge Day

ATS & Eines partners with S4

ATS Inspect

S4 helps manufacturers implement LEAN tools

Error Proofing at GMSAf

ASI Datamye 600 Wireless Data Collector

Kvaser CAN Tools

Avalue



S4 Knowledge Day

The S4 Knowledge day took place on the 26th of October 2011 at the Pine Lodge Resort and attracted over 50 delegates.

The objective was to share knowledge on **How to become a world class manufacturer.**

A series of workshops related to the following subjects were presented:

- Manufacturing
- Quality Management
- Manufacturing Execution Systems (MES)
- Manufacturing Operations Management (MOM)
- Automation
- Metrology

Guest speakers included:

Mike James, Vice Chairman MESA Europe and world leading MES consultant

Martyn Gill, ATS UK Director & Quality Consultant

Juanfra Fores, Eines Director & Quality Consultant

Samantha Venter, Nelson Mandela Bay Business Chamber Operations Director

The day was a resounding success with very positive feedback from many candidates.

ATS partners with S4 Integration

S4 Integration has been appointed as the South African distribution partner for ATS products and services.

ATS is an independent solution provider for Industrial, Process and Information Technology users world-wide.

ATS provides products and services for all three levels of the automation pyramid: Control, Execution and Information.

Since its foundation in 1986, ATS has developed six business activities specifically designed to support the full lifecycle of automation and IT systems:

- Consulting,
- On-Site Support
- Products
- Projects
- Software Development
- Training



ATS Inspect

ATS Inspect is a suite of applications designed to identify and manage costs associated with scrap, rework, warranty claims and production bottlenecks in many different fields of manufacturing.

ATS Inspect is the ideal tool for collecting, analyzing and reporting defect and variable related data. Working in unison with your existing systems it will raise the quality of the manufacturing process and the final product.

Benefits:

Image driven inspection, Web based analysis and reporting, Eliminates checklists, Real time data collection, Easy to use operator interface and immediate alert notification.



EINES partners with S4 Integration

Eines provides comprehensive system solutions, which are designed to enhance the manufacturing process with particular emphasis on vehicle production lines. These solutions have proven to provide a vital return on investment after just a few short weeks. Focusing exclusively on the automotive industry they have references on 2D/3D guidance systems, metrology, direct glazing control, VIN marking, surface inspection and quality control installations.

Eines is proud to announce that they have also received three Henry Ford awards for innovation. They have also obtained the "Preferred Partner" qualification by Cognex for the automotive industry in Spain, qualifying as one of the best European vision companies.

For more information on Eines systems please contact us.



S4 helps Manufacturers implement Lean tools

The core objective of *Lean* is to maximize customer value while minimizing waste. Simply, Lean means creating more value for customers with fewer resources.

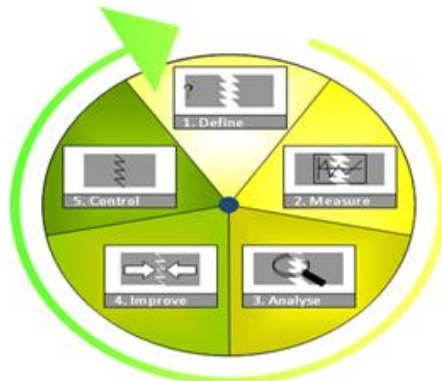
A Lean organization understands customer value and focuses its key processes to continuously increasing the value. The ultimate goal is to provide perfect value to the customer through a perfect value creation process that has zero waste.

To accomplish this, Lean thinking changes the focus of management from optimizing separate technologies, assets, and vertical departments to optimizing the flow of products and services through entire value streams that flow horizontally across technologies, assets and departments to customers.

S4 Integration assists their customers by implementing Kaizen Lean methodology.

Typical solutions are:

- Line Stops
- Andon
- Heijunka
- Visual Management
- Kanban
- Poka Yoke
- OEE



For more information on Lean Tools please contact us.

Scalable Error Proofing at GMSAf

S4 Integration is currently installing an error proofing system at General Motors South Africa that can scale from a single operation to an entire plant without having to install or discard intermediate systems of software or hardware.

Error Proof Job Identification Zone

The Job Identification Zone (ID) is used to identify a vehicle entering the Footprint Operations.

Error Proof Part Pick

A Part Pick error proofing operation is a basic action that utilizes light curtains or hanging beacons across the front of the containers, racks, baskets or bins to prompt and monitor the proper part selection process.

Error Proof Torque Tool

The Torque Tool is an operation that requires the operator to torque a certain number of fasteners to certain torque values. The error proofing system counts the number of good rundowns to determine whether or not the operator is done with the operation. The result of the rundown is then reported.

Error Proof Sub-Assembly Scan

The Sub-Assembly Scan action will validate that the correct part is being installed on the vehicle or product using positive identification.

For more information on error proofing please contact us.

The New ASI Datamyte 600 Series Wireless Data Collector



ASI Datamyte have just launched their new 600 Series Wireless Data Collector. The 600 Series Wireless Data Collector eliminates the cable running to the gauge, providing greater freedom of movement for the operator.

With fewer cables, cable management becomes less of a burden with less clutter and potential hazards. At the same time, data collection time is reduced by:

- Making the data collection task physically easier to perform
- Collecting data from several devices simultaneously without having to connect and reconnect cables to individual devices

600 Series Wireless Data Collectors are equipped with an internal RF receiver that captures data sent by a MicroRidge RF gauge interface transmitter. A gauge interface connected to a specific gauge is paired with a specific gauge address residing within a specific 600 Data Collector. When a reading has been taken by the gauge, it is automatically transmitted to the gauge address in the 600 Data Collector.

For more information on Data Collectors or measuring equipment please contact us.



Kvaser AB is pleased to announce a rugged family of **Controller Area Network (CAN) to USB interfaces**.

Capable of operating in the harshest environments, including water submersion, Kvaser's rugged interfaces have been designed to meet the needs of engineers performing remote diagnosis or network troubleshooting in applications such as:

- Automotive
- Mining
- Marine
- Military
- Oil and Gas exploration

The market for CAN products and services is steadily increasing as a result of CAN finding new application in sectors beyond those in which it found initial popularity.

Kvaser: Providing industry-leading CAN interface solutions to engineers worldwide.



Avalue is dedicated to designing and manufacturing computing solutions that will live up to their customers' expectations.

To meet the demands of critical applications, Avalue is using their expertise on embedded platform, mechanical design and system integration to ensure that Avalue products are fully suitable for application demands and perform better than competitor solutions.

The new SPC Range of Panel PC's are fan-less, with a full stainless steel and aluminium chassis design that is suited to both rugged and sensitive environments such as:

- Medical
- Maritime
- Chemical
- Food
- Manufacturing



The SPC Range has a full IP-65 rating and is encased in a waterproof and dustproof, anti-corrosive stainless steel enclosure to ensure complete all-weather protection. The rear I/O connectors are also protected and the systems are easy to clean.

VESA standard mounting holes are available for customers on every unit for easy deployment into any installation.

For more information please contact us.