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QUALITY

"Working together for operational excellence to deliver vehicles that exceed our customers expectations in quality and cost"

Leadership Message

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Leadership Message



2013 was an incredibly exciting and successful year for Global VOME and our great Ford Motor Company. Within VOME, as we look back and reflect on a year filled with launches and busy construction schedules it's hard to believe we are yet again on the eve of a major plant shutdown period and the much awaited Holiday Season. As the saying goes – time truly does fly - particularly when you consider the backdrop of a year filled with record workload levels and a pace of execution that has become our new standard. [Read the Full Story](#)

VOME View from the Regions



Go Further

In this issue of the Global eNews The VOME Global regions reflect on the programs, launches and results of 2013 and the reminder that earlier in the year the key objective was to identify what manufacturing can do to improve global vehicle launch process and deliver better products. With quality continuing to be the Company's number one priority as launches increase for 2014, vehicle quality is very important when the teams delivers our One Ford plan.

FoE

FSAO

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APA

FoE

FNA

FSAO

GLOBAL VOME NEWS

Strength, Class and Quality

BCE's Reduces Body Fits Issues with Vehicle on Wheels (VOW)



A decrease in body fits by 41% at 3MIS; people can't argue with those numbers! In today's highly competitive market the quality of the product in the showrooms has become increasingly

important. Quality of fit and finish are some of the major concerns of VOME's Body Construction Engineering (BCE). Body closure panel-fitting positions or "body-fits" is such a critical process that adds greatly to the vehicles dimensional integrity and quality. [Read the Full Story](#)

Ford Argentina – New Focus C346

Body Sub's Insourcing Plan



This November, the VOME-FSAO BCE team has successfully finished the launching of new cells finalizing the 2013 Focus C346 Insourcing Plan at the Pacheco Plant (PAP), Argentina.

Insourcing is part of the company's Modularity strategy and it aligns Pacheco to Global processes. The total insourcing plan was composed of nine new automatic cells and the launching started in June 2013 with Doors and Body Side lines during the PP phase of C346 launch. [Read the Full Story](#)

CBT Standardisation in APA

Improving APA's vehicle quality through standardisation



Current Based Testing (CBT) is used to test vehicle's electrical components via current measurement values. These values are compared to a set of limits that

ensure each component is functioning within specifications. This system allows for every test and every vehicle to be tested with the same standards. [Read the Full Story](#)

COVER STORY

Product Quality: The most important driver



Quality has made Ford an industry leader for over 100 years! The quality of the Ford products is one of the most important drivers in the company's

manufacturing, where the launch decisions that result in high quality standards are considered. Quality is not only the most visible attribute in a brand new automobile, but it is also one customers experience most. A high quality score reflects an image of the brand in the customers' mind inspiring the confidence in the product that is critical to maintain a competitive advantage. [Read the Full Story](#)

OTHER VOME NEWS

2013 Henry Ford Technology Awards

VOME Recipients are Honored for Innovation and Manufacturing Excellence



VOME is celebrating the winning of two 2013 Henry Ford Technology Awards (HFTAs). The HFTAs are presented annually to engineering teams who have contributed to manufacturing

or tooling technology through leadership or technical developments. The HFTAs celebrates Ford innovation in product design and manufacturing, acknowledges significant contributions that reduce costs and waste, and improves efficiency and quality.

[Read the Full Story](#)

The 2013 Paint Area Manager Meeting

Returning Paint to Best in Class Quality



The 2013 Global Paint Area Manager Meeting focused on improving paint quality and the company's expectations for driving quality improvements as the key to future success. The Meeting was hosted a Louisville Assembly Plant (LAP), November 5th – 7th in Louisville, Kentucky. This year's theme was "Returning Paint to Best in Class Quality". Throughout the meeting, the presenters focused on getting back to basics and how to improve quality, while meeting targets for safety, delivery, maintenance and cost. [Read the Full Story](#)

FAE: Slow Build



FAE has updated the Emphasis/Slow Build Procedure that positively impacts vehicle quality. Part deformation analysis examines interior and exterior trim parts for stress marks on the finished surface, damage to attachment and locating clips, and damage to adjacent parts after installation. Assembly repeatability evaluates consistency of margin and flushness fit by installing the same part three times and measuring the margin and flushness to adjacent parts. [Read the Full Story](#)

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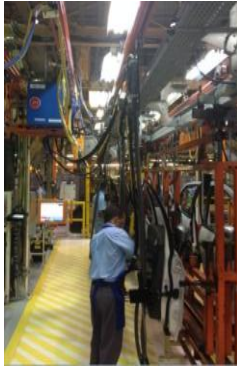
Asia Pacific SBU Goes Further



Team Members as the new Generation of Metrology device was not capable to feed WBDM (Web Based Data Management) with data. DCE APA (see photo on the left), and FTM Stamping team have worked hand in hand with Ford Supplier for Scanning devices, Hexagon, and developed a software interface. [Read the Full Story](#)

As technology moves on so do Ford employees. In 2011, Ford APA introduced new scanning technology to monitor Quality within Stamping Business. This challenged DCE APA and FTM

Implementing New Electrical Door Tester at Camaçari, Brazil



During the October 2013 shutdown of the Camaçari Plant, the VOME FAE EOL team, Eric Magnani and Leonardo Andrade, installed new equipment to perform door electrical testing, also known as "Door Tester." The equipment was developed in conjunction with FORD VOME NA and DSA Systems, and is compliant with the Ford Global Standards. The equipment is intended

to test and validate all electrical items contained in the doors of the vehicle, and it uses high precision tools to measure quantities such as electrical current (A), voltage (V), resistivity (Ω) and continuity. [Read the Full Story](#)

SA Paint 2013 Automation Projects Driving Quality Improvements



This October, the VOME-FSAO Paint Team completed the launch of new 14 paint robots at two wet paint shops in Camaçari (CAM), Brazil; replacing their aging

equipment. The new robots enable the plant to paint exterior prime and clearcoat solvent base 1K technology at higher transfer efficiency and process repeatability (Ppk) compared to the old ESTA Bell Machines that were replaced. [Read the Full Story](#)

Teamcenter Enhancements

Systems Engineering Release 1 (SE-R1)



What's new for Manufacturing Digital Pre-Assembly? About ten years ago, Ford launched Virtual/Digital Manufacturing tools (Teamcenter) as a means to reduce manufacturing driven

launch concerns. Since that time, the use of these tools has reduced launch concerns by nearly 90%. Chances are you are a current user of Teamcenter in support of your DPA5 Manufacturing Digital Pre-Assembly deliverables. [Read the Full Story](#)

Got a Story?

Email stories and comments to vometalk@ford.com

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