DIGITAL MANUFACTURING PLATFORMS IN AUTOMOTIVE: KEEPING QUALITY INTELLIGENCE AT THE SPEED OF MANUFACTURING

ROAD2CPS – WORKSHOP ON FUTURE PLATFORMS
Innovalia Group & Technology Development

Innovalia delivers dimensional quality control equipment, software and services for manufacturing companies.
Innovalia Group Global Presence

- EEUU
- Reino Unido
- Bélgica
- España
- China
- México
- Brasil
- Alemania
- Polonia
- Argentina

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Innovalia has developed **key and unique 3D scanning technologies & quality control services** for Advanced Manufacturing.
Keeing Manufacturing Under Control

AUTOMOTIVE

RAILWAY

AERONAUTICS

RENEWABLES
Metrology 4.0

1st Revolution
Stand-alone CMM

2nd Revolution
Near line

3rd Revolution
In the line

4th Revolution
In the cloud
Industry 4.0 & M3 Ecosystem Development

Data Acquisition

Data Storage & Analytics

Actionable Data & Collaboration
66% of industry agrees
Top strategic objective for Manufacturing Operation Management (MOM)
Ensuring consistent quality of products 66%
Manufacturing Operation Management (MOM)
Size Matters
20 Petabytes
Google Maps
20 Petabytes
3D Quality Control

Information

500 Providers

27000 Parts

30P per year
2
Real-time Transparency Matters
**Structural Transformation**

- **Product & Solution Design**
  - Restricted Closed Innovation Technology Based Software
- **Expansive Innovation Process Based Software**
- **Open Innovation Platform Total Quality Process Management Software**

**Competitor Landscape**

- **Niche Product Market**
- **Exclusive Business Focus with Strategic Value Addition**
- **Broad Ecosystem with Diverse Supplier Presence**

**Status Quo**
- Enterprise level interoperability Today
- New synergies across metrology, IT and automation vendors

**Industry 4.0**
Real Time Transparency

- Comprehensive quality inspection traceability process across the supply chain
3 Speed Matters
ISO SAC/TC159 SC5

- Total Quality Information at all levels
- Timing of decision is a challenge (from sub-second to days and weeks)
Economies Digital for Manufacturing

Data-driven Speed

High Connectivity

Fair Value Creation

Real-time Transparency

Complexity Reduction
THANK YOU

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