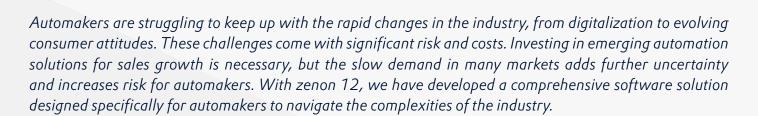


Driving resilient and agile automotive manufacturing



Streamlining automotive manufacturing

Efficient engineering

- Jump from the output window to the error cause
- Driver list is sortable and filterable
- Multi-select and multi-edit of trend curves

Powering efficiency and reliability as the backbone of automotive excellence

Service Engine

- Protect runtime files for manipulation
- ▶ ETM option to highlight curve
- ► ETM refresh rate adjusts automatically after high-load situations
- Waterfall chart wizard/waterfall chart enhancement
- Process recorder now with adjustable speed get to the point of interest faster in playback and watch the replay in slow-motion
- New 3D tool
- Optimize startup/improved performance for multi-project hierarchies



Embrace the future of productivity and simplicity

Smart Objects

- Substitution of interlockings
- Password protection of Smart Object Templates know-how protection
- New API methods for flexible, automated engineering of Smart Objects
- More flexible options for using zenon Logic code in Smart Objects

Unleashing the power of connection to drive innovation

Connectivity

- MQTT driver for zenon Logic
- SAP Interface supports HANA
- OPC UA Server support for external data model
- ▶ GraphQL Interface available

Enhance data understanding and communication to uncover insights

Web Visualization Service

- Equipment model screen available
- Command processing screen available
- Supports multiple sessions
- ▶ Additional screen elements available
- CEL support

Transforming the automotive manufacturing industry by empowering factories

IIoT Services

- Identity Managment
- Device Management service available

Empowering high value production and processes

Service Engine on Linux

- More drivers available
- OPC UA Server available
- Historian support
- Alarm Management support