Production Data Server

Unlocking the Industry 4.0 Potential with Serialization OEE

Production Data Server is an integral part of OPTEL's track-and-trace solutions. It acts as a data collector for the production data available on LineMaster™ and InspectProof™ and makes it available for any OPC-UA client, data historian or monitoring system.

KEY FEATURES

- ✓ Ready on Deployment
- ✓ Turn On/Turn Off
- ✓ Automatic Recognition and Configuration
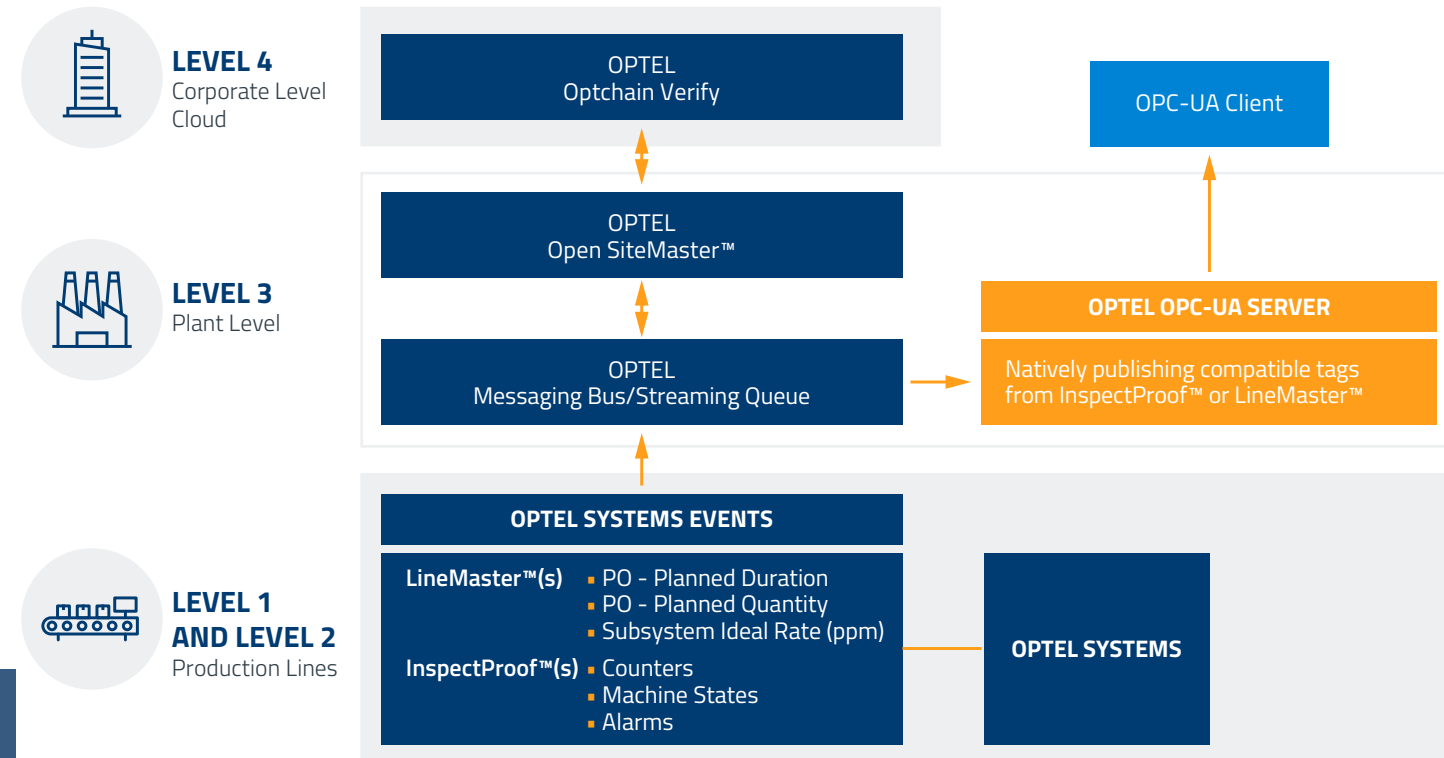- ✓ Configurable Data Streaming Interval

OPTEL™
Traceability technologies for a better world

KEY FEATURES

Ready on Deployment	No server configuration required
Turn On/Turn Off	Streaming Agent on LineMaster™ or InspectProof™ is a single click turn on/off*
Automatic Rrecognition and Configuration	Production Data Server automatically recognises OPTEL serialization line equipment and configures the hub for the instant data stream availability
Configurable Data Streaming Interval	The reporting interval configurable by customer

* *Must be configured during the system configuration.*

ARCHITECTURE

LEVEL 4
Corporate Level
Cloud

LEVEL 3
Plant Level

LEVEL 1 AND LEVEL 2
Production Lines

OPTEL
Optchain Verify

OPTEL
Open SiteMaster™

OPTEL
Messaging Bus/Streaming Queue

OPC-UA Client

OPTEL OPC-UA SERVER

Natively publishing compatible tags from InspectProof™ or LineMaster™

OPTEL SYSTEMS EVENTS

LineMaster™(s)
- PO - Planned Duration
- PO - Planned Quantity
- Subsystem Ideal Rate (ppm)

InspectProof™(s)
- Counters
- Machine States
- Alarms

OPTEL SYSTEMS

PREREQUISITES		
IT infrastructure		**NOTES**: *Provided by customer and includes all the components required for the system operation (i.e., server, firewall configuration, VPN configuration, etc.)*

DEPLOYMENT OPTIONS		
STANDARD	Production Data Server (PDS) on a single server instance	**Minimum requirements (per instance):** ▪ 64-bit CPU/vCPU compatible with x64 instruction set ▪ 512 MB RAM ▪ 32 GB storage space (required for the installation of system components and daily operations
ADVANCED (combined with OPTEL L3 components)	▪ OSM system components and Production Data Server (PDS) on a single instance ▪ DB on a separate instance	**Minimum requirements* (per instance):** ▪ 64-bit CPU/vCPU compatible with x64 instruction set ▪ 32 GB RAM ▪ 500 GB storage space (required for the installation of system components and daily operations. Separate storage is required for DB backups, system log backup, etc. More storage space might be required based on the system activity and configuration. Contact OPTEL Solution Design team for details). ** The exact number of instances and their size will be determined during the system design in cooperation between OPTEL Solution Design Team and customer representatives.*
24/7 Technical Support	12 months 24/7 technical support included with every new purchase. Extended support available for purchase.	

PERFORMANCE		
Operating System		**Windows:** Windows Server 2016 (or later) or Windows 10 Enterprise **Linux-based OS Compatible:** System tested and developed on Debian 11.x **NOTES**: *Infrastructure for system deployment provisioned by customer, including operation and maintenance following system deployment*
Maximum Capacity		Unlimited **NOTES**: *Performance tested on the system with 50 concurrent data providers (approx. 15 serialization lines with 3-4 OPTEL systems per line)*
Protocols Supported		OPC-UA
Maximum number of OPC Clients		Unlimited

PDS
Ver. 1.0

optelgroup.com

PDS
Ver. 1.0

OPTEL is the ONLY company with the ability to provide complete, full-stack traceability solutions from raw materials to the end user.

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OPTEL Canada
1989

EUROPE
OPTEL Ireland
2014

EUROPE
OPTEL Germany
2021

ASIA
OPTEL India
2016

SOUTH AMERICA
OPTEL Brazil
2017

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