

ETAS Diagnostics & Security Summit 2025

Manufacturing Diagnostics

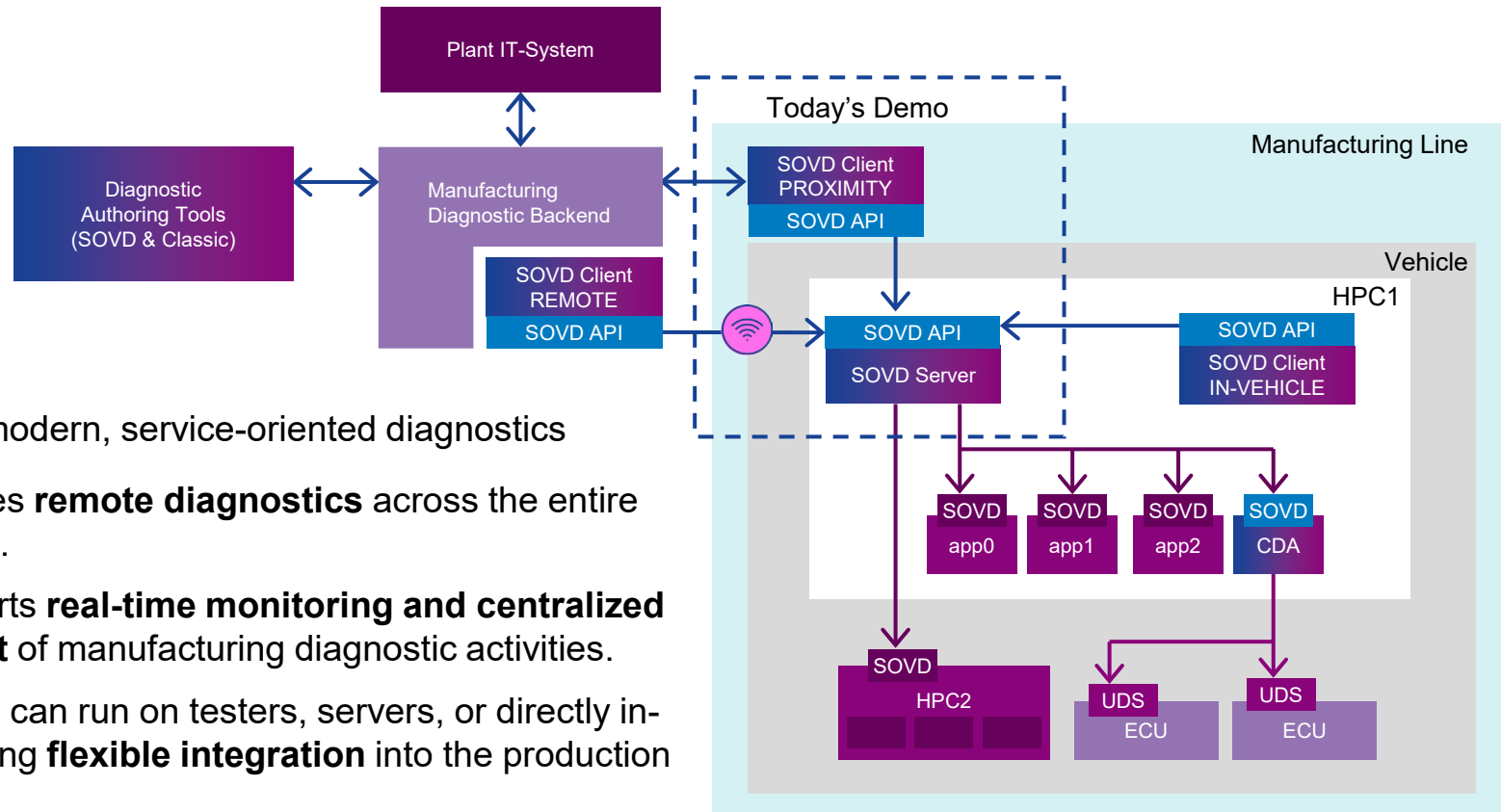
5/20/2024

Simulated ECOS Testing via SOVD - From Vehicle Test Client to Toy Car

Simulated ECOS Testing via SOVD

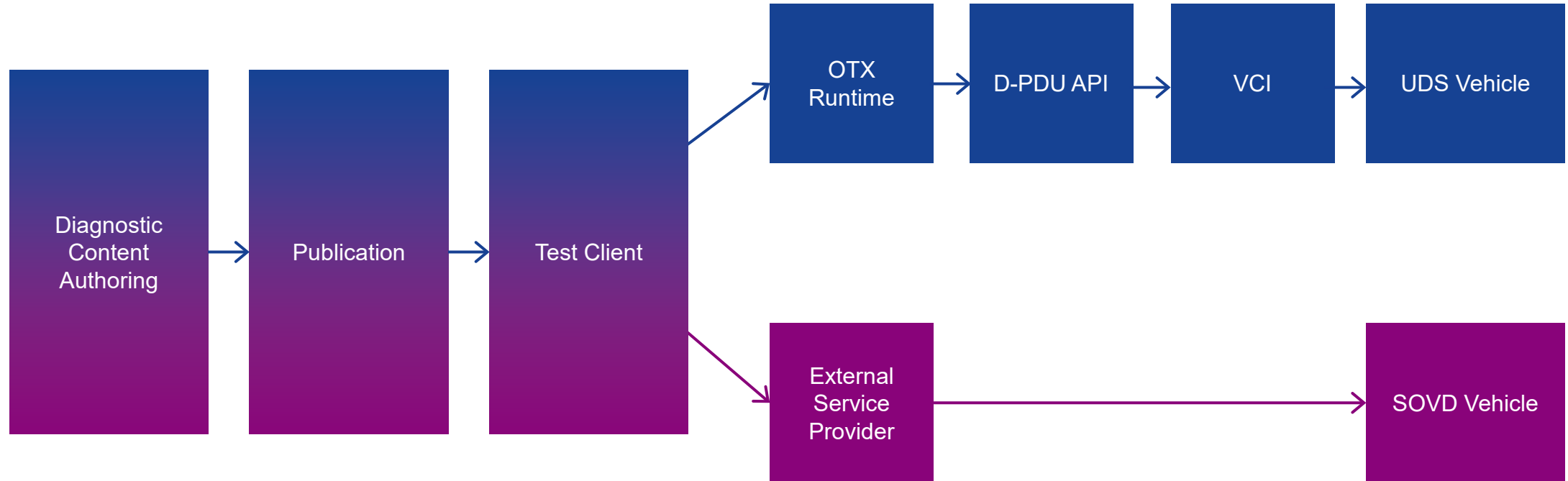
Why SOVD in Manufacturing?

- SDVs need modern, service-oriented diagnostics
- SOVD enables **remote diagnostics** across the entire plant network.
- SOVD supports **real-time monitoring and centralized management** of manufacturing diagnostic activities.
- SOVD clients can run on testers, servers, or directly in-vehicle, offering **flexible integration** into the production environment.



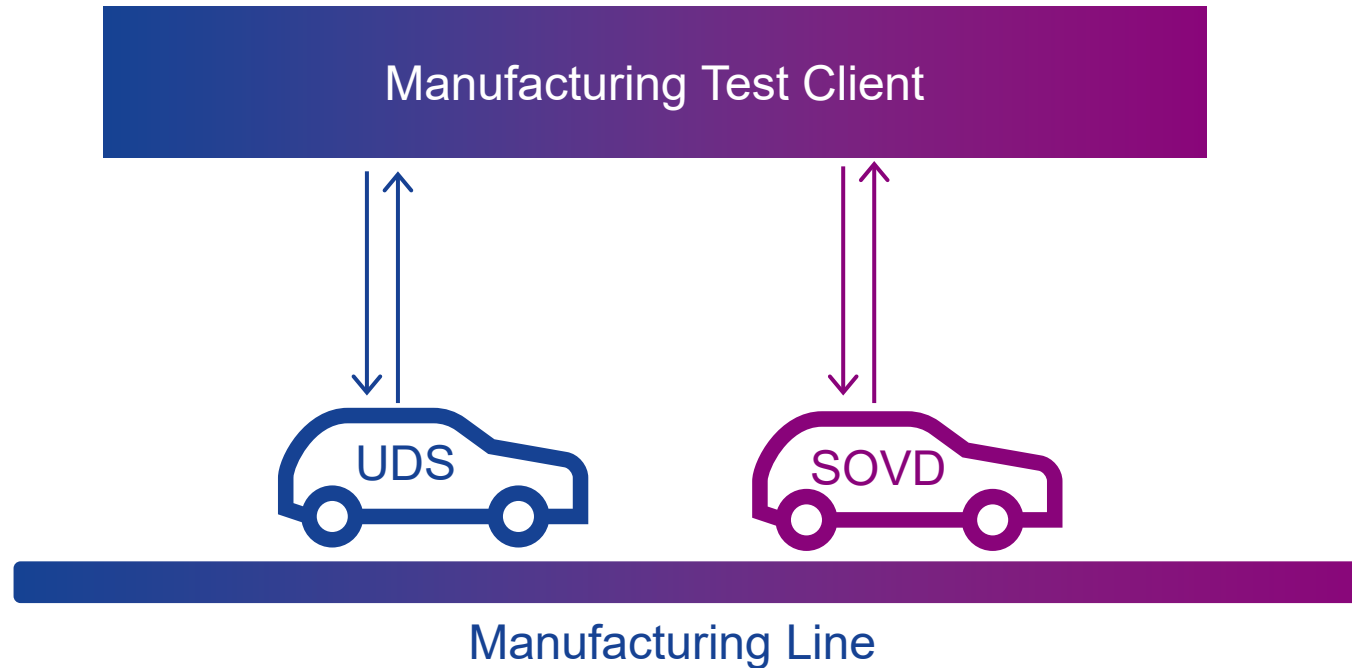
Simulated ECOS Testing via SOVD

Behind the Scene – How It Works?



Simulated ECOS Testing via SOVD

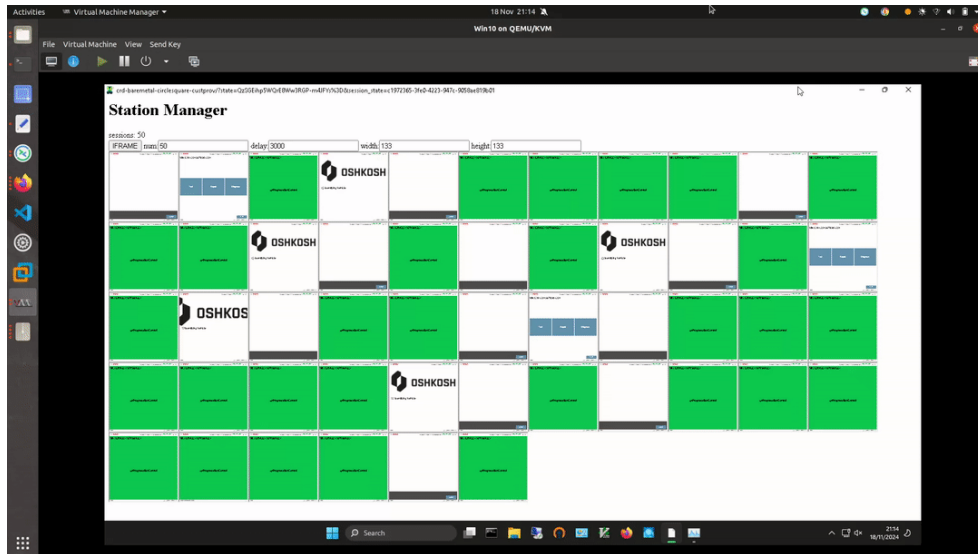
Mixed production lines: UDS + SOVD coexist



Station Manager Orchestrating Multiple Vehicle Test Clients for EOL Testing

Station Manager Orchestrating Multiple Vehicle Test Clients

What's Station Manager



Station Manager is a tool that manages **multiple test applications** running **simultaneously** and **independently**, each connected to **different testing devices** or **vehicles**.

Station Manager Orchestrating Multiple Vehicle Test Clients

Use Cases of Station Manager



Parallel ECU Flashing: Flash multiple ECUs at one Flash Tower, even if they are different models.



SOVD Orchestration: Each client can act as a virtual SOVD tester, very useful as we scale SOVD-based manufacturing diagnostics.



Multi-vehicle Testing at EOL: Each client connects to a separate VCI and vehicle, enabling flexible manufacturing testing



Remote Visualization and Control: Use station manager as a dashboard to monitor and operate test clients remotely.

Thank you

Questions?