# EB Assist Test Lab

Cloud-based validation toolchain for automated driving

Handling large amount of data

**Lengthy data collection and data finding periods**

Manual annotation of data

No data-driven tool to interact with the data

**High barriers to data socialization**

**Weeks to find the right data set**
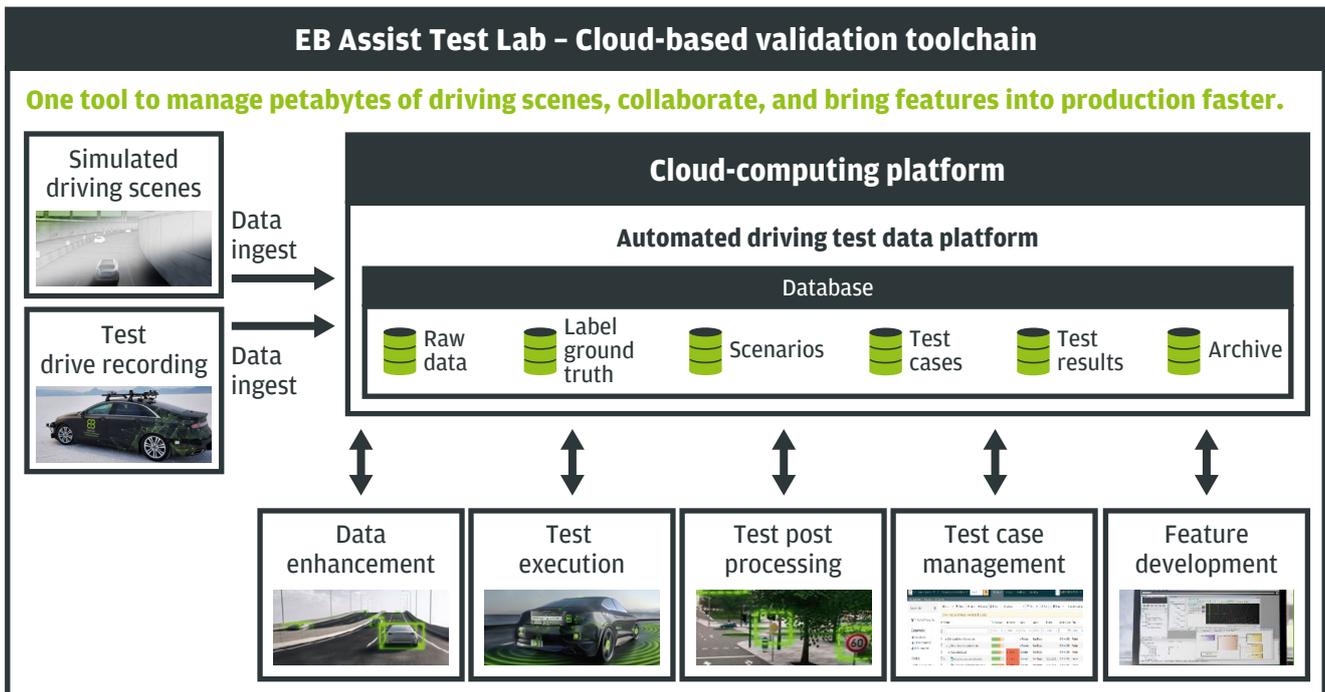
**Customer challenges**

Delayed SOP because of "insufficient tooling"

**Difficulty maintaining own tooling**

Difficulty coordinating workflow between third-party tools

**Project schedules and requirements change, but budget doesn't**

Key resources spend more time orchestrating data rather than developing algorithms

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### EB Assist Test Lab – Cloud-based validation toolchain

**One tool to manage petabytes of driving scenes, collaborate, and bring features into production faster.**

| Simulated driving scenes | | Cloud-computing platform |
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Data ingest

**Automated driving test data platform**

Database

| Raw data | Label ground truth | Scenarios | Test cases | Test results | Archive |
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Test drive recording

Data ingest

| Data enhancement | Test execution | Test post processing | Test case management | Feature development |
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## Features and benefits

▸ Cloud-based infrastructure handles huge amount of data efficiently, allows for infinite scalability and universal accessibility

▸ Data enhancement, labeling, and simulation support

▸ Significant cost savings through on-demand licensing payment model

▸ With open APIs, easily add analyzers, converters, or plug-ins to extend metadata functionality

## Highlights

▸ A holistic cloud-based validation toolchain to accelerate the validation process and decrease development cycles

▸ Solving logistic challenges presented to engineers and data scientists within the automated driving development phase

▸ Allowing teams to focus on writing algorithms, bringing functions & systems to series production faster