



Scoping recalls with a leap in speed and precision

CHALLENGE

Lengthy and costly vehicle recall processes posed serious financial and legal concerns for a multinational automotive manufacturer.

Because vehicles are designed with parts from different suppliers and manufactured in different configurations, relevant data is spread across multiple systems. But to identify all vehicles potentially affected by a recall, safety investigators need to further combine this data with service history, ownership, and usage data.

SOLUTION

Automated part-to-vehicle mapping

The manufacturer integrates data from plants, manufacturing processes, vehicles, parts, and warranty claims to create a unified view of the vehicle fleet.

Safety investigators quickly filter vehicle data by all possible criteria, such as when and where vehicles were built, sold, used, and repaired. Now, the automaker accurately scopes recalls and reduces the risk of costly over-scope.

Full audit trail of recall scoping processes

Compliance regulations require automakers to maintain a full audit trail of recall scoping processes.

Foundry automatically saves every step of the process so that recall scopes can be reopened at any time and quickly amended if needed.

IMPACT

- The population of vehicles potentially affected by a recall can be identified in minutes with significantly higher accuracy. Defining campaign scope at this scale used to take months.
- The automaker significantly reduced costly recall amendments.