Sonatus Automator AI
Innovate throughout the vehicle lifecycle with AI-defined feature automation

Automate vehicle functions with AI-defined workflow orchestration.

Accelerate innovation without software development.

Sonatus Automator AI lets OEMs use automation policies to instantly create new vehicle functions, and streamline vehicle testing and diagnostics.

Innovate continuously

Use an orchestration framework to create event-triggered workflows that can be deployed to add new features, run test and diagnostic routines, and more.

Speed up time-to-market

Prototype new features instantly to accelerate product cycles and perform automated end-of-line self-tests to get to market faster.

Reduce development costs

Minimize code development and validation costs, while ensuring safe use of automation through ASIL-D certified Safety Interlock Module.
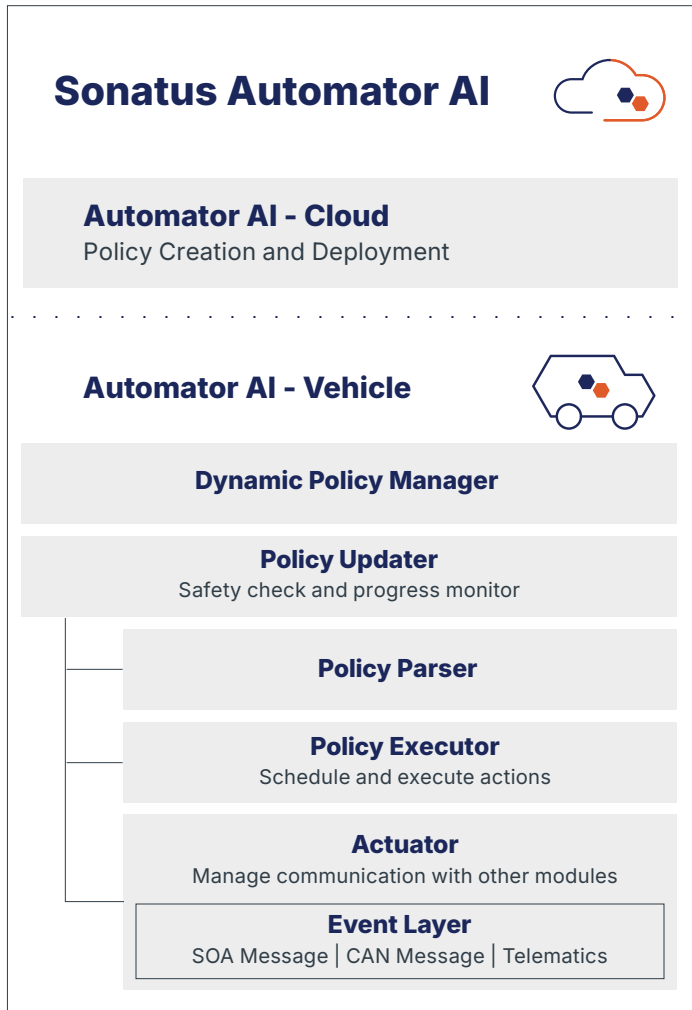
Maximize in-vehicle automation with GenAI

Expand the use of in-vehicle automation by using Generative AI and Natural Language Processing (NLP) to generate sophisticated automation policies.

Sonatus Automator AI Features

Combine a rich set of triggers and actions into sophisticated workflow recipes using GenAI and natural language and deploy them instantly to create new vehicle experiences, or streamline testing and diagnostics processes.

Sonatus Automator AI

Automator AI - Cloud
Policy Creation and Deployment

Automator AI - Vehicle

Dynamic Policy Manager

Policy Updater
Safety check and progress monitor

Policy Parser

Policy Executor
Schedule and execute actions

Actuator
Manage communication with other modules

Event Layer
SOA Message | CAN Message | Telematics

Instantly automate vehicle functions

- Role Based Access Control for security and safety
- Intuitive cloud console for instant recipe creation
- Full set of APIs for 3rd party integration
- Deploy with rich filters to target specific vehicles
- Lightweight workflow recipes in kilobytes

Trigger workflows from diverse events

- Flexible combination of triggers
- CAN and Ethernet signals including DTCs
- ECU events
- Vehicle Ignition Status
- Location, Geofence, Schedule
- External API calls and events

Automate with functional safety

- Actuate one or more vehicle functions
- Update ECU parameters
- Execute diagnostics and test routines
- Apply cybersecurity mitigation policies
- APIs to 3rd party applications
- SMS alerts
- ISO26262 ASIL-D certified through Safety Interlock Module

Maximize in-vehicle automation with GenAI

- Expands access to vehicle automation across OEM groups
- Simplifies policy creation with intuitive, natural language
- Streamlines selection of triggers and actions for desired outcomes
- Generates policy definitions in graphical formats for clarity and precision
- Allows fine-tuning to iterate and refine policy definition

Create sophisticated workflows

- Multi-stage workflows
- Pipeline, tree and state machine based
- Sequential or parallel processing
- Flexibility to support diverse use cases
- Workflow execution tracking

Standards Supported

COVESA · GDPR COMPLIANT · AUTOMOTIVE GRADE LINUX · AUTOSAR · ASAM Member

SONATUS