

## Harness the power of sound with AI



### BOSCH SVENTA

SVENTA (Sound & Vibration based Engineering Test data Analytics) platform is an AI powered sound engineering & diagnostic platform for acoustic or NVH (Noise, Vibration & Harshness) assessments. Experts can visualize elaborate analysis results and a smart summary on the SVENTA webapp portal. This has enabled field engineers & NVH experts to reduce **over 98% Lead time** for field problem investigation.

#### SVENTA: AI powered Sound Engineering Platform



##### NVH Experts

- ✔ Quicker Analysis data from Field or Test Track
- ✔ Portable
- ✔ Faster Feedback to Test engineers

##### End of Line Quality Teams

- ✔ Avoid Subjective assessments
- ✔ Minimize rejections
- ✔ Connected Solution for improved Quality

##### Maintenance Teams

- ✔ Continuous Monitoring of Machine status in harsh environments
- ✔ Service alerts to Maintenance teams
- ✔ Reduce machine Down time

##### Field Service Engineers

- ✔ Quicker Response to Field Failure issues
- ✔ Connect with Experts
- ✔ Customer satisfaction

#### Benefits



Cutting-edge data collection techniques guarantee real-time and accurate data



Forecasts time and location-based trend patterns on key measured parameters like vibration and temperature signature analysis.



Optimized for speedy deployment, zero additional infrastructure investment



Real time alerts and notifications on monitored information across different device platforms including computers, tablets and smartphones.

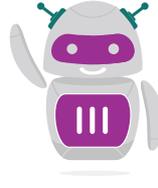
With Bosch's trusted promise of quality and expertise, SVENTA offers you the ability to intelligently accelerate your efficiency and effectiveness across multiple areas of your business

## Why SVENTA?



### Ease of use

Minimal expertise or training and less than 2 minutes for Data acquisition and automated reporting



### AI powered

Vehicle Model/subsystem specific ML Model deployment capability on cloud.



### Portable

Portable and easy Connectivity with smartphone compatible USB-OTG plug-and play digital sensors (Sensors < 50 mm size, < 150 gms)



### Less capital investments

Minimal Instrument cost (50% less than Conventional system cost). SaaS Model, allowing users to choose yearly subscription based on need.



### Integration to cloud platform

Centralized database for ensuring NVH performance tracking during complete product development life-cycle (currently AWS)



### Class-ii accuracy

Compatible with sensors having sound data quality inline with Class-2 accuracy as specified by IEC 61672 Sound Level Meter standards

## SVENTA INCORPORATES ALL THE ABOVE FEATURES

To learn more, visit here

Contact us at [connect.bgs@in.bosch.com](mailto:connect.bgs@in.bosch.com).

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