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

<table>
<thead>
<tr>
<th>NVH Experts</th>
<th>End of Line Quality Teams</th>
<th>Maintenance Teams</th>
<th>Field Service Engineers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quicker Analysis data from Field or Test Track</td>
<td>Avoid Subjective assessments</td>
<td>Continuous Monitoring of Machine status in harsh environments</td>
<td>Quicker Response to Field Failure issues</td>
</tr>
<tr>
<td>Portable</td>
<td>Minimize rejections</td>
<td>Service alerts to Maintenance teams</td>
<td>Connect with Experts</td>
</tr>
<tr>
<td>Faster Feedback to Test engineers</td>
<td>Connected Solution for improved Quality</td>
<td>Reduce machine Down time</td>
<td>Customer satisfaction</td>
</tr>
</tbody>
</table>

### 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.
Ease of use
Minimal expertise or training and less than 2 minutes for Data acquisition and automated reporting

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

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

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

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

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

Why SVENTA?

To learn more, visit here
Contact us at connect.bgsw@in.bosch.com.