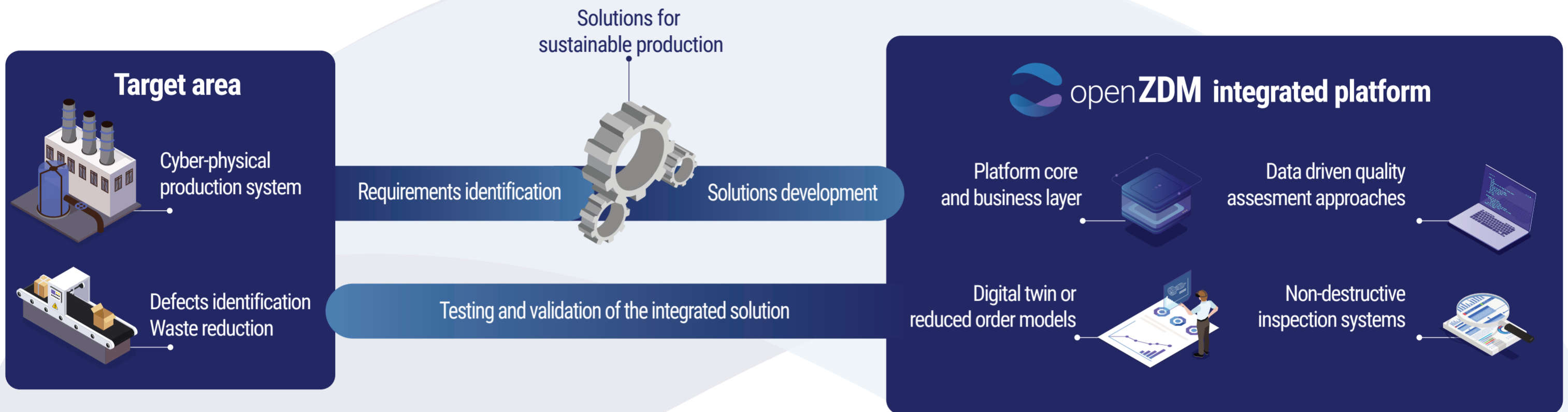



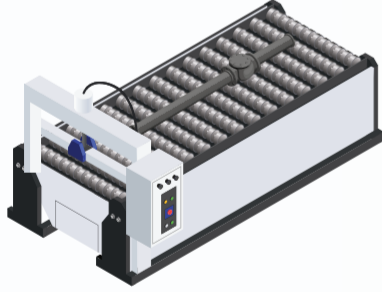



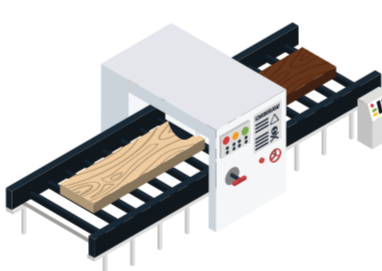

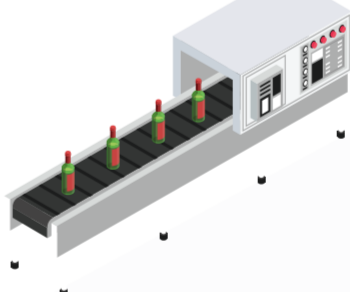

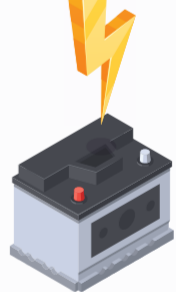
**openZDM** is an initiative that will develop and demonstrate in five representative production lines an open platform designed to realize **Zero Defect Manufacturing**. The platform integrates advanced ICT solutions and innovative non-destructive testing, setting the foundations for a solution applicable to a large variety of manufacturing industries.



openZDM includes **prototyping, testing and demonstration in an operational environment**. Identification, and detailed description of requirements, industrial use cases, data sources and reference architecture. The main R&D activities will be executed following a two-fold approach: individual solutions developed and four rounds of improvements.

## Industrial pilots

Finally, the openZDM platform and its enabling solutions will be fully integrated into the platform, **tested and validated upon five (5) industrially relevant large-scale pilot cases (demonstrating TRL 7) from different industrial sectors**.

  <p><b>Trailing arm production process demonstrator</b></p> <ul style="list-style-type: none"> <li>• Reduce defects by 50%</li> <li>• Decrease production costs by 10%</li> </ul>	  <p><b>Vehicle body shop and final assembly demonstrator</b></p> <ul style="list-style-type: none"> <li>• Enable online process control and configuration</li> <li>• Reduce production costs by 15% avoiding alignment operations</li> </ul>	  <p><b>Melamine surfaced board manufacturing demonstrator</b></p> <ul style="list-style-type: none"> <li>• Reduce wasted material by 50%</li> </ul>	  <p><b>Bottle manufacturing demonstrator</b></p> <ul style="list-style-type: none"> <li>• Enable online process control and configuration</li> <li>• Defects reduction by 25%</li> </ul>	  <p><b>EV battery production use case</b></p> <ul style="list-style-type: none"> <li>• Reduce defects by 50%</li> <li>• Reduce production costs by 10%</li> </ul>
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