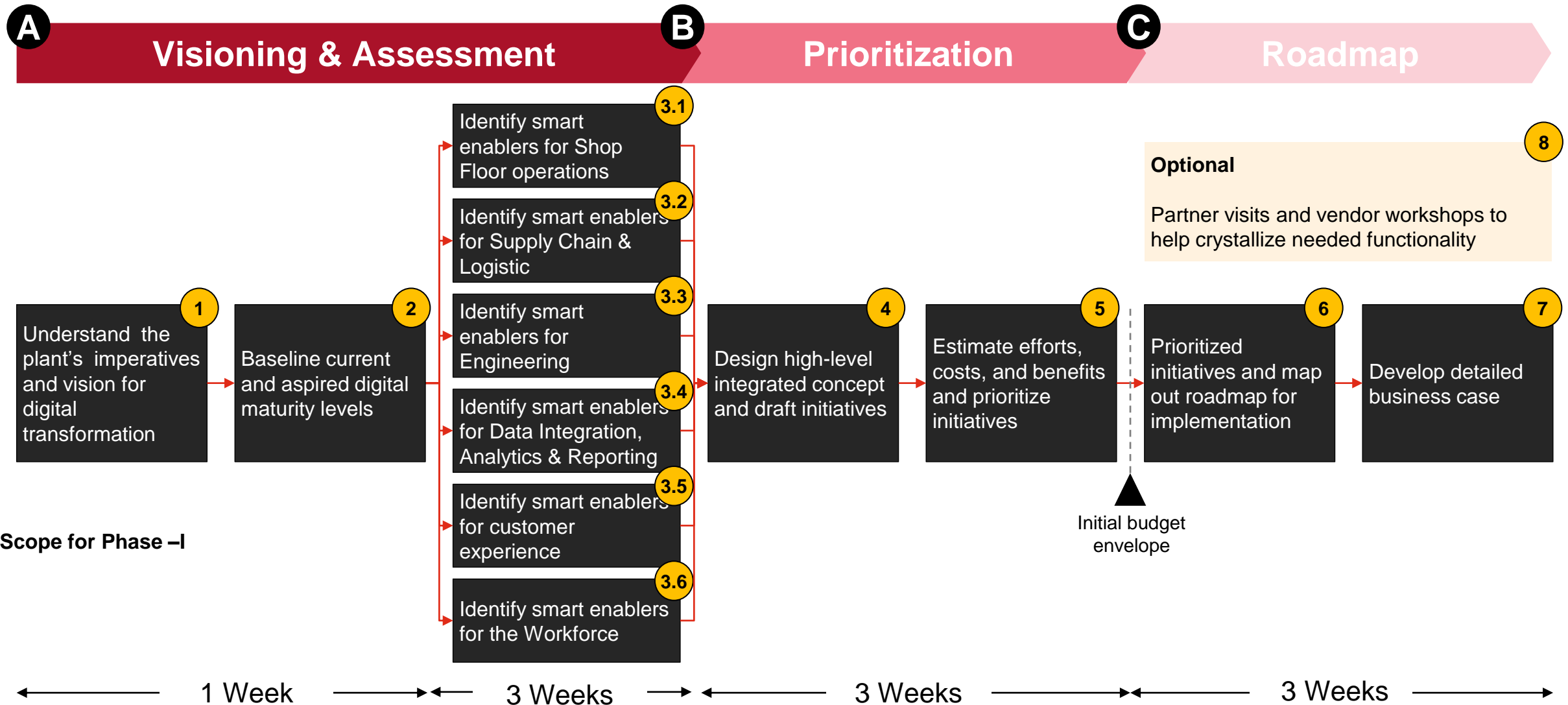


# Digital roadmap for a manufacturing set up

Approach, deliverables and timeline

Digital maturity assessment is a collaborative exercise, undertaken by a cross section of experts at the Clients' manufacturing facilities



# We will provide a set of deliverables at every key milestone (1/2)

	Steps	Key outputs	Deliverables
1	Understand the plant's imperatives and vision for digital transformation	<ul style="list-style-type: none"> <li>• Project plan and list of stakeholders with meeting schedule</li> <li>• Understand plant priorities, bottlenecks, processes, KPIs</li> <li>• Current and on going Industrie 4.0 initiatives, IT readiness</li> <li>• Dependencies, high impact solutions in place, technology gaps (high level)</li> </ul>	<ul style="list-style-type: none"> <li>✓ MoM of all meetings</li> <li>✓ Key observations</li> </ul>
2	Baseline current and aspired digital maturity levels	<ul style="list-style-type: none"> <li>• Synthesis of the digital maturity assessment survey</li> <li>• Trends in the use of digital technologies in broader industry</li> <li>• Understanding of process, system and digital interventions areas</li> <li>• Refined understanding of targeted digital maturity levels</li> </ul>	<ul style="list-style-type: none"> <li>✓ Overview of market trends of digital in the broader industry</li> <li>✓ Baseline &amp; maturity report of the plant</li> </ul>
3.x	Identify smart manufacturing, building & workforce enablers	<ul style="list-style-type: none"> <li>• Understanding of process, system &amp; digital improvements for each assessment area</li> <li>• Smart reference architecture for assessment areas (High level)</li> <li>• List of initiatives by assessment areas</li> <li>• Integrated view on data &amp; analytics needs</li> <li>• High-level smart workforce and building concept</li> <li>• Understanding of smart technology enablers for 2.0 facility</li> <li>• UI and machine connectivity needs</li> </ul>	
4	Design high-level integrated concept and draft initiatives	<ul style="list-style-type: none"> <li>• Consolidated view on the Maturity 2.0 requirements</li> <li>• Initial high-level concept design with 5-7 use cases</li> <li>• Drafted initiatives (long-list)</li> </ul>	<ul style="list-style-type: none"> <li>✓ Smart concept design</li> <li>✓ Initiative prioritization</li> <li>✓ Budget envelope</li> </ul>
5	Estimate efforts, costs, and benefits and prioritize initiatives	<ul style="list-style-type: none"> <li>• Impact and effort by initiative</li> <li>• Prioritized set of 2.0 initiatives</li> <li>• Final high-level concept design with prioritized initiatives</li> <li>• Initial budget envelope for the transformation program</li> </ul>	

# We will provide a set of deliverables at every key milestone (2/2)

	Steps	Key outputs	Deliverables
6	Prioritized initiatives and map out roadmap for implementation	<ul style="list-style-type: none"> <li>• High-level project charters for prioritized smart initiatives</li> <li>• Digital technologies implementation roadmap</li> </ul>	<ul style="list-style-type: none"> <li>✓ Initiative roadmap and charters</li> <li>✓ 2.0 business case</li> </ul>
7	Develop detailed business case	<ul style="list-style-type: none"> <li>• Updated digital transformation business case</li> <li>• Revised budget envelope</li> <li>• Project close-out report</li> <li>• Final presentation to the leadership team</li> </ul>	

## Optional

8.1	Partner visits/ workshops to inform on innovative manufacturing solutions	<ul style="list-style-type: none"> <li>• First-hand insights from smart manufacturing implementations</li> <li>• Minutes of the site visits</li> </ul>	<ul style="list-style-type: none"> <li>✓ Vendor briefing document with vision and key requirements</li> <li>✓ Minutes of meetings with compiled vendor presentations</li> </ul>
8.2	Partner visits and vendor workshops to help crystallize needed functionality	<ul style="list-style-type: none"> <li>• Vendor briefing document with vision and key requirements</li> <li>• Minutes of meetings with compiled vendor presentations</li> </ul>	

**Tech**  
**Mahindra**