



# ENABLING 21<sup>st</sup> CENTURY PLM

Digitalization is unlocking newer opportunities for leadership and strategic growth, key to strategic edge in a rapidly changing business world for global enterprises. PLM is increasingly seen as the enabling technology for driving digitalization. However, traditional PLM systems are evolving to keep pace with the changes, challenging enterprises in advancing their PLM strategies for realizing the true potential of digitalization.

## NEED FOR 21<sup>st</sup> CENTURY PLM

Digital led disruption is driving huge changes to the way information is shared and consumed, redefining the dimensions of PLM. Historically, enterprise PLM applications have been designed to support authoring of data but have had minimal impact on consumption of this data & process enablement. Further, the focus has been around traditional mechanical led areas and missing the value of connections across the entire product development lifecycle. As manufacturers have grown both geographically and organizationally, the systems have struggled with constraints impacting quality of collaboration.

These changes coupled with significant enhancement in capability and functional coverage by all leading PLM ISV's, necessitates the need to invest in 21<sup>st</sup> Century PLM systems, enabling the digital ecosystem.

## 21<sup>st</sup> CENTURY PLM DIMENSIONS

### CONNECTED



Eliminates the process constraints due to domain silos by creating an internally and externally connected ecosystem through federating disparate enterprise systems

### COLLABORATIVE



Collaboration across domains as well as the value chain enabling data consumption focused processes and closed loop continuous engineering

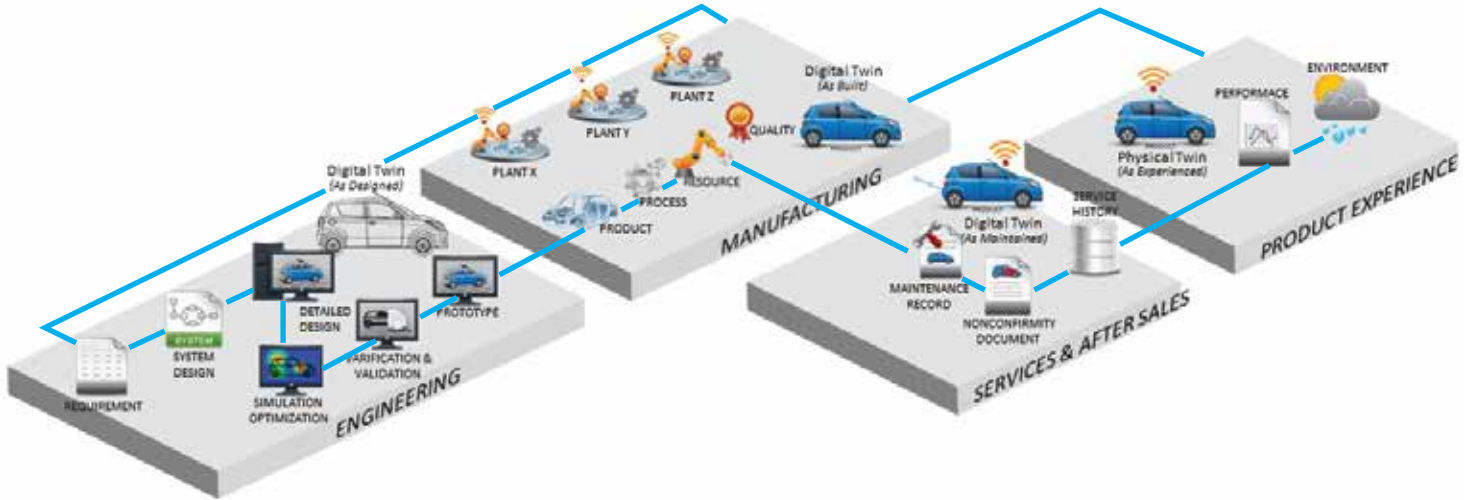
### ORCHESTRATED



Adaptive and flexible processes enabling effectively respond to fast changing business requirements

## 21<sup>st</sup> CENTURY CAPABILITIES

By reimagining PLM strategies in the context of digital ecosystem, HCL technologies enables global enterprises evolve their PLM systems to realize the true potential of digitalization. Our approach of leveraging existing valuable digital PLM assets built over the years, helps enterprises accelerate realization of the digital thread platform enabling digital twins. HCL's 21<sup>st</sup> Century PLM capabilities, consisting of consulting based approach, rich solutions portfolio and experience of working with major global top 100 R&D corporations, makes HCL the partner of choice as companies embark on their digital journey.



### SOLUTION SUPPORT FOR MANUFACTURERS' INITIATIVES AROUND:

- New product development and introduction
- Model based definition/ engineering
- Simulation data and process management
- Engineering application lifecycle management
- Connected Factory
- Model based systems engineering
- Product costing
- Supplier collaboration
- Plant automation
- MOM/MES/ manufacturing integrations


### SERVICES


- Consulting
- Implementation
- Upgrade/migration
- Application management


### TECHNOLOGIES

- Interoperability solutions
- Design, manufacturing and visualizations solutions


## RIGHT PARTNER


**DIGITAL TRANSFORMATION**  
 Experience of managing digital transformation initiatives of global corporations

**EXPERIENCE**  
 Unrivalled expertise with over two decades of PLM services experience

**INNOVATION**  
 Solutions/IPs to accelerate next generation product development processes

**INDUSTRY KNOWLEDGE**  
 Focus on 10 major industry segments

**PRODUCT REALIZATION**  
 End-to-end capabilities across product realization

**UNMATCHED PARTNER ECOSYSTEM**  
 Best in class partnership ecosystem to support diverse requirements



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Geometric is now a part of HCL Technologies

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