DIGITAL TWIN

pSeven USER CONFERENCE 2023

Bruno Trebucq 2023 October







Digital Twin: What & Why?

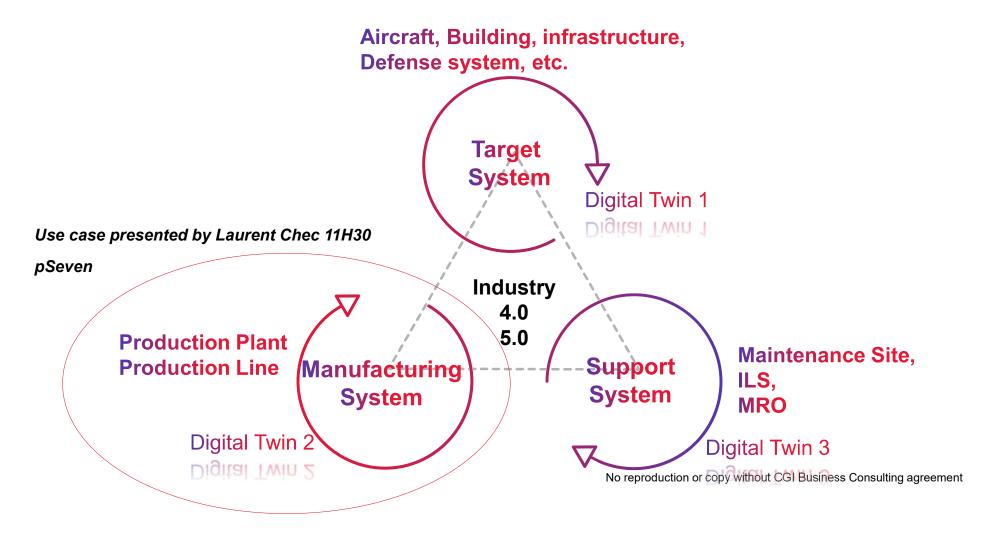
What ? W	'hy ?
synchronized Virtual views of theoPhysical System (Processes, Services) toO	long its whole life cycle , enabling to understand, ptimize, predict and drive Solution Performance & Operations across its usages, real data –based, cquired from on each instance of physical system

- Digital Twin exists as soon as the Physical system is built & alive with its own operational data (real-time and historical)
- Digital Twin has strong foundations into System Engineering and MBSE along its whole life cycle
- > Digital Twin do **not belong to a given function or organization** but is **transverse** to enterprise value chain
- Digital Twin is **not a unique tool** but a **world of unique**, **consistent and continuous models and data**



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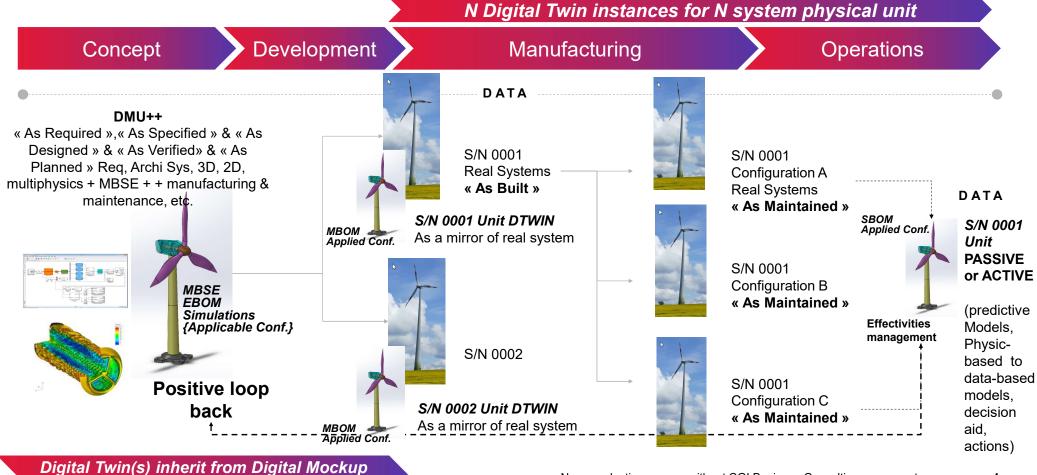
3 main types of Systems with their own DIGITAL TWIN





What is a Digital Twin?

(Definition, Archi, Sim., Predict. Models etc.)

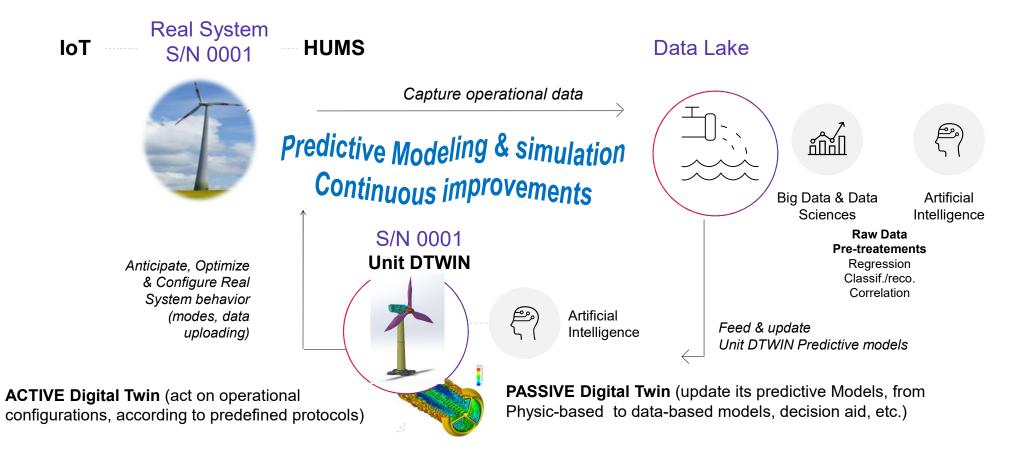


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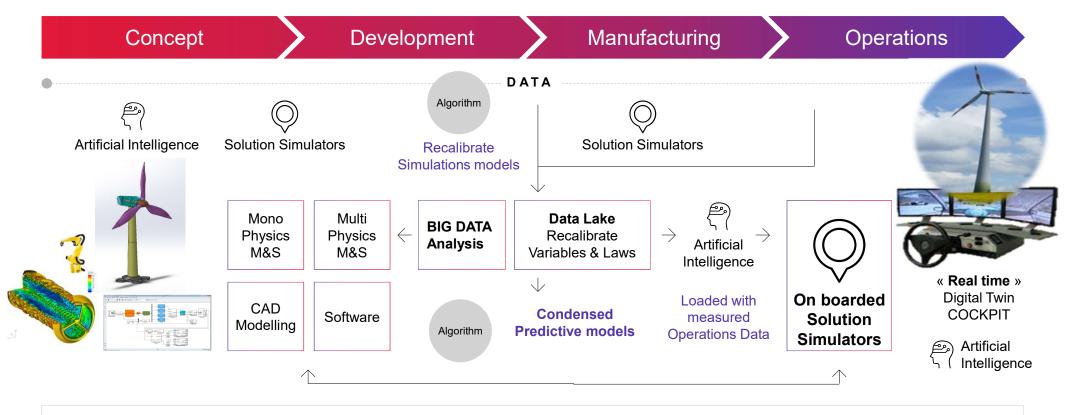
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What is a Digital Twin?





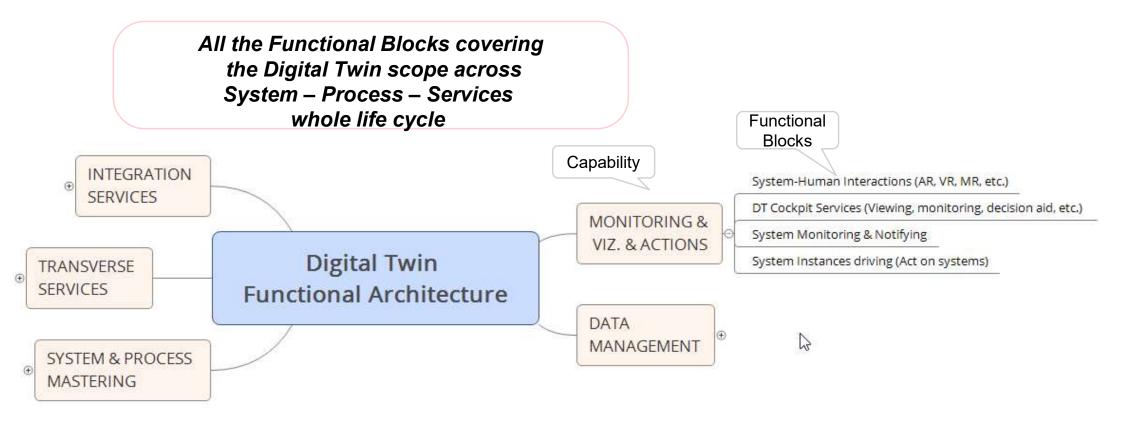
Our Vision for real operational digital twin



Data access & edition for Enterprise and its Partners, Suppliers, Customers, according to rights



Digital Twin Architecture: 5 Capabilities & 40 Functional Blocks



Thank you

"Knowledge helps one know of a problem or situation and how it came to happen.

Intelligence, on the other hand, helps an individual to design ways to deal with that situation or solve the problem at hand"

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