

Digital twins

for business operations

The application of the digital twin to finance, HR, and supply chain, and its implications for business operations

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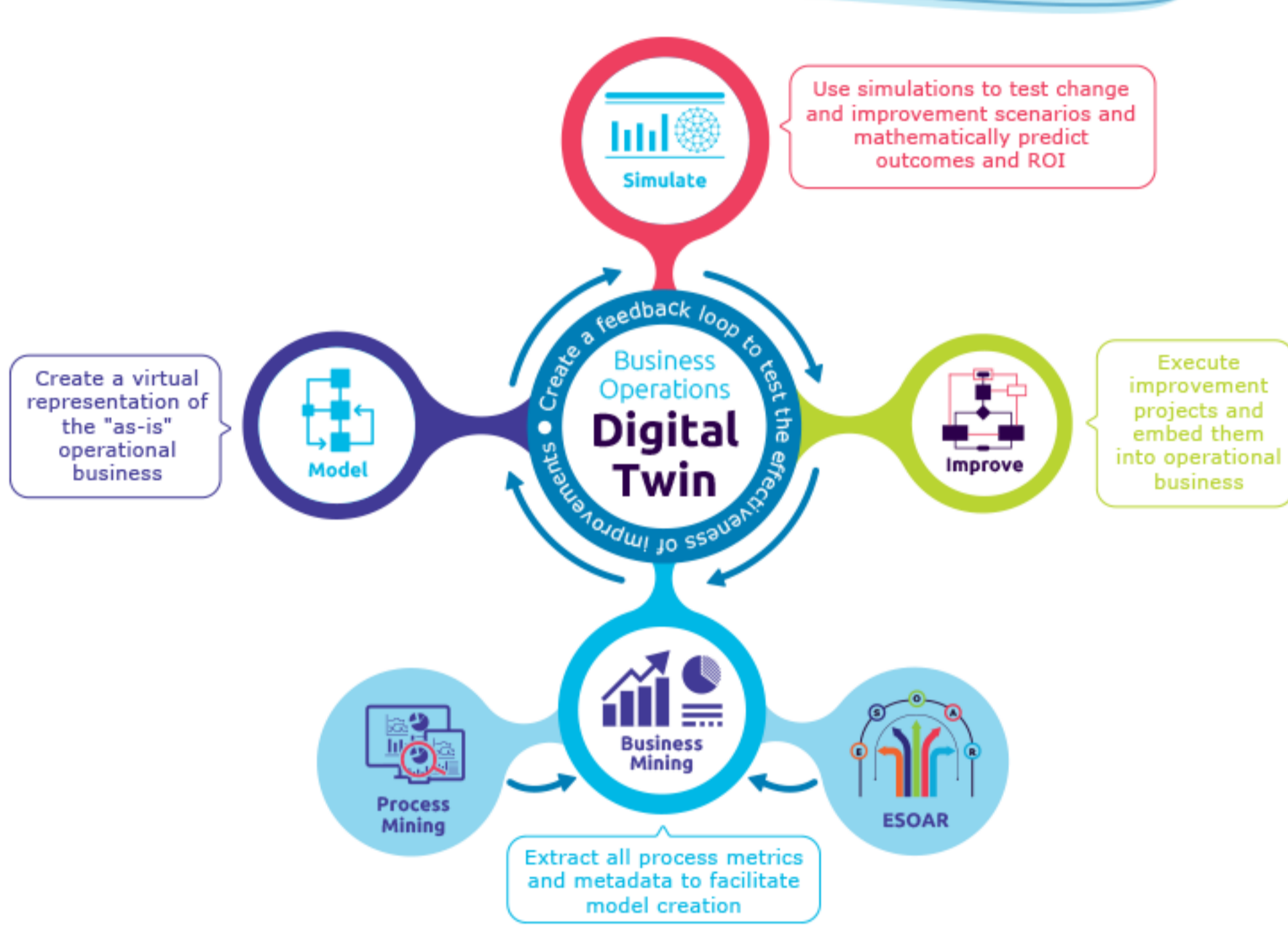
“Digital twin refers to a digital replica of potential and actual physical assets, processes, people, places, systems, and devices that can be used for a variety of purposes.”

Lee Beardmore
Vice President and Chief Innovation Officer,
Capgemini's Business Services

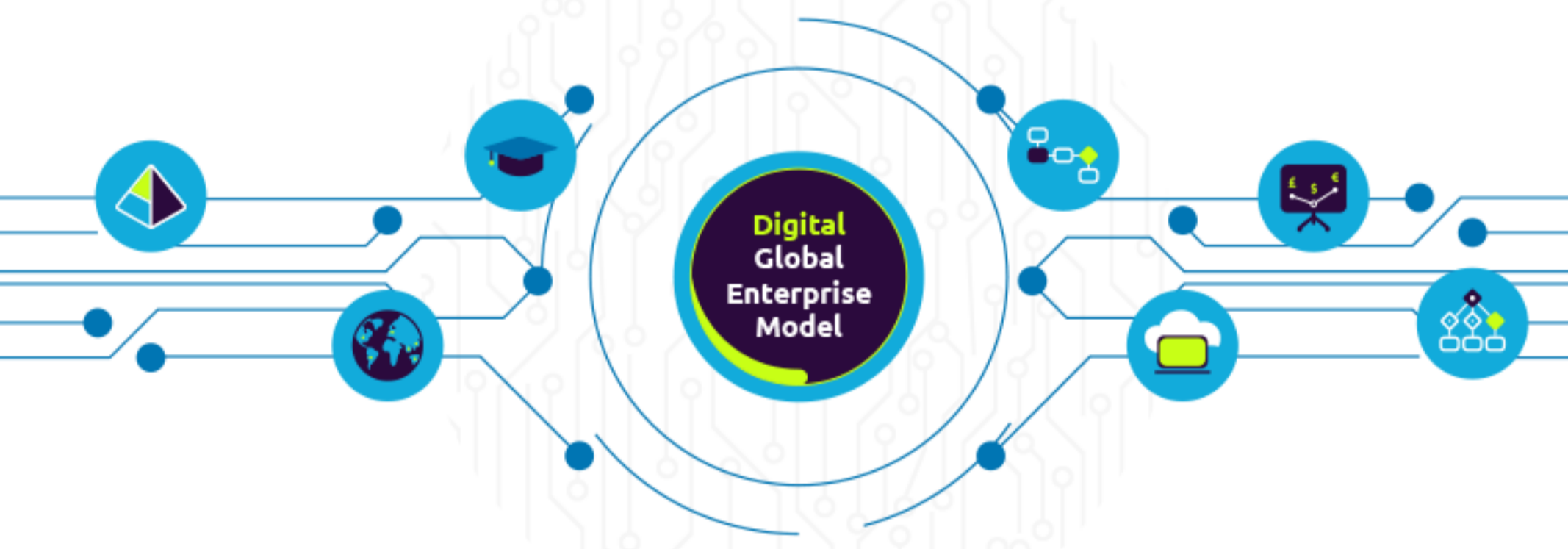
Digital twins can bring significant benefits to the information processing domains of



A cycle of business mining, modeling, simulation, and continuous improvement drives a virtuous circle.

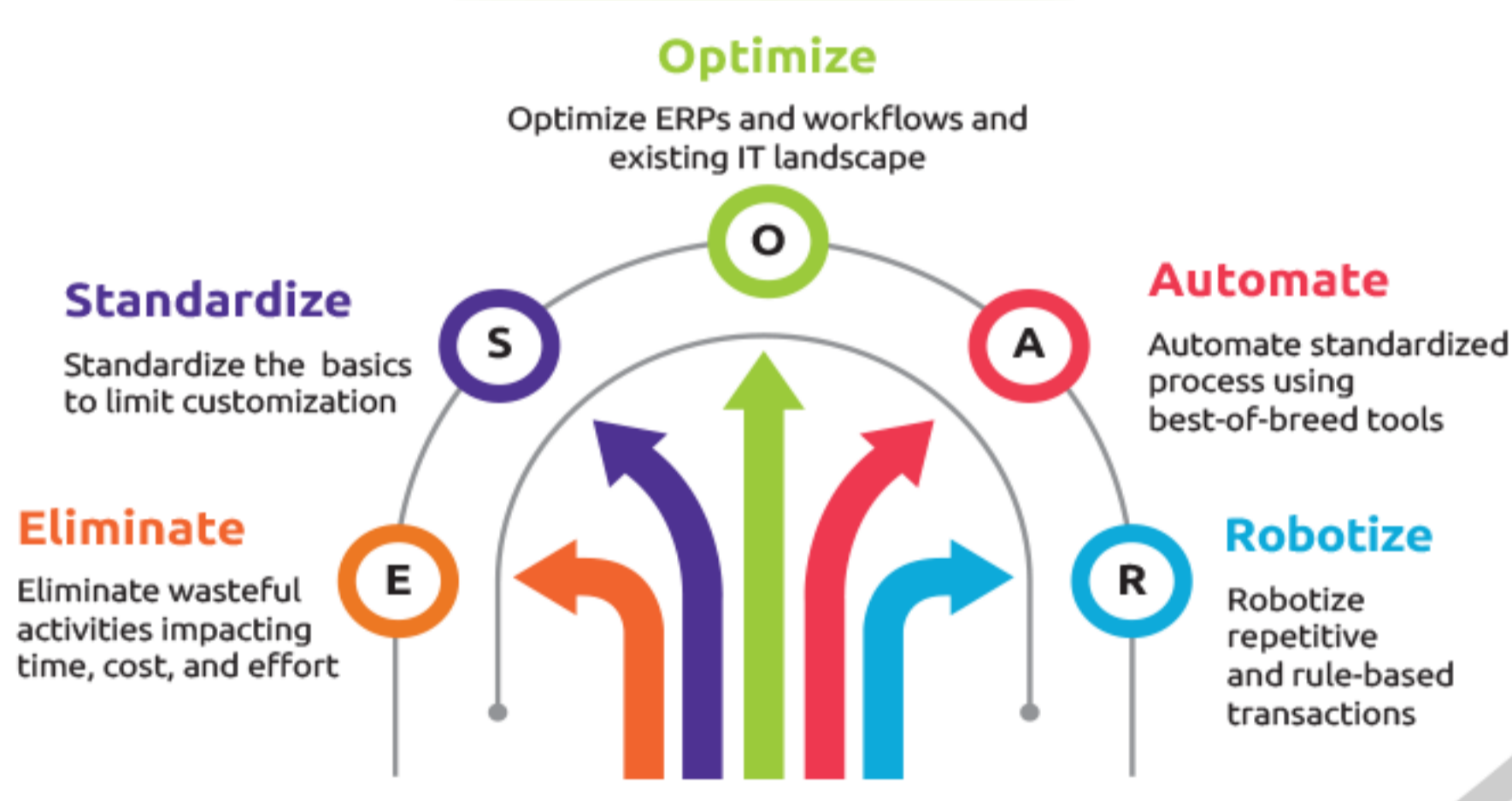


Capgemini's Digital Global Enterprise Model provides the metadata and parameters necessary to define a model of the ideal.



The technical backbone of the digital twin supports the industrialized application of ESOAR.

ESOAR methodology



The implications of the digital twin for organizations extend beyond simple process improvement.

- A continuous data stream that enables the organization to maintain its digital twin in perfect synchronicity with its business operations
- More advanced monitoring that enables the organization to improve compliance and isolate key data to support root cause analysis
- A world of prediction that helps the organization reinvent its digital operations
- An active feedback loop between strategy and execution that brings new evidence to performance management
- A means to test and evaluate change scenarios that enliven a continual cycle of improvement
- Combining digital twins to provide divisional and enterprise-level modeling for enhanced visibility of business operations across the organization
- Predictions of business-impacting events that can lead to less reactive management of SLAs
- Creation of an AI playground by collecting training data used to seed any number of AI algorithms

“The visibility afforded by the digital twin enables the organization to look at aspects of itself in a number of completely new ways that come with some exciting prospects.”

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