

Il virtual commissioning e il digital twin guidano la creazione del codice PLC

ROCKWELL
AUTOMATION

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Promosso da

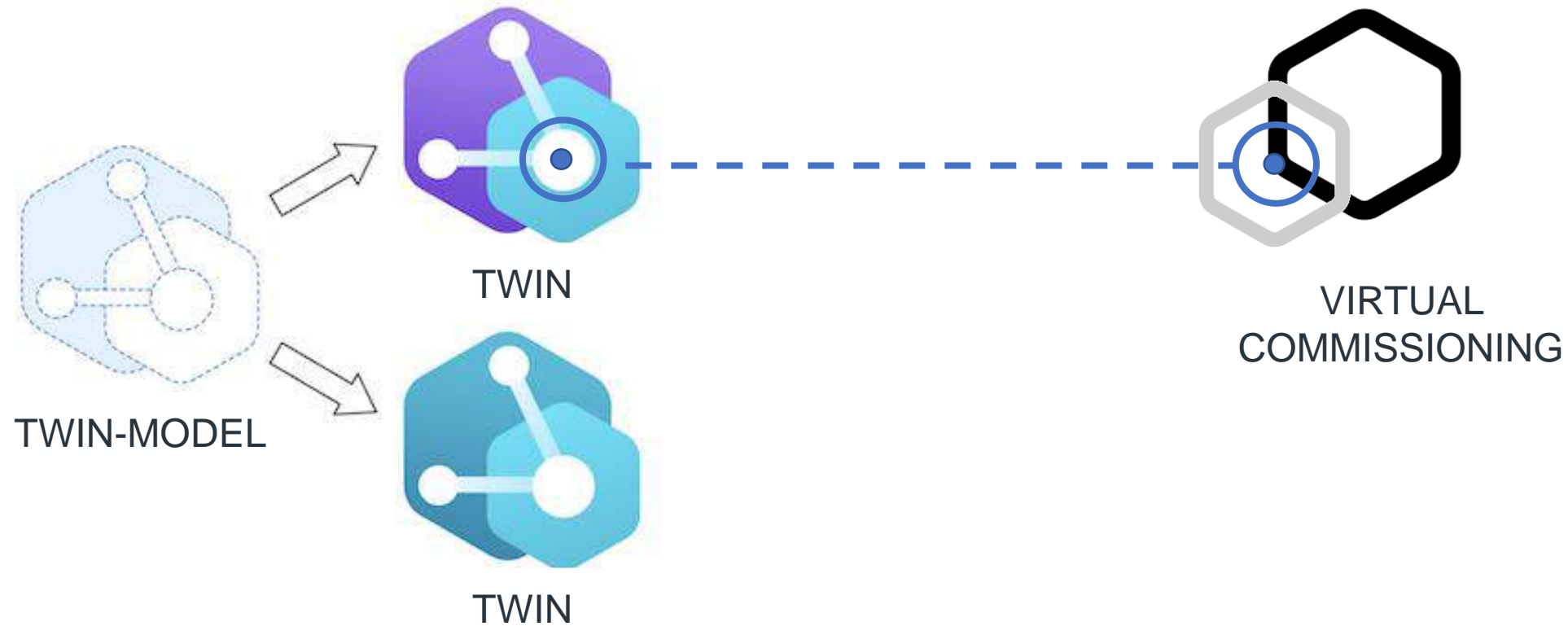


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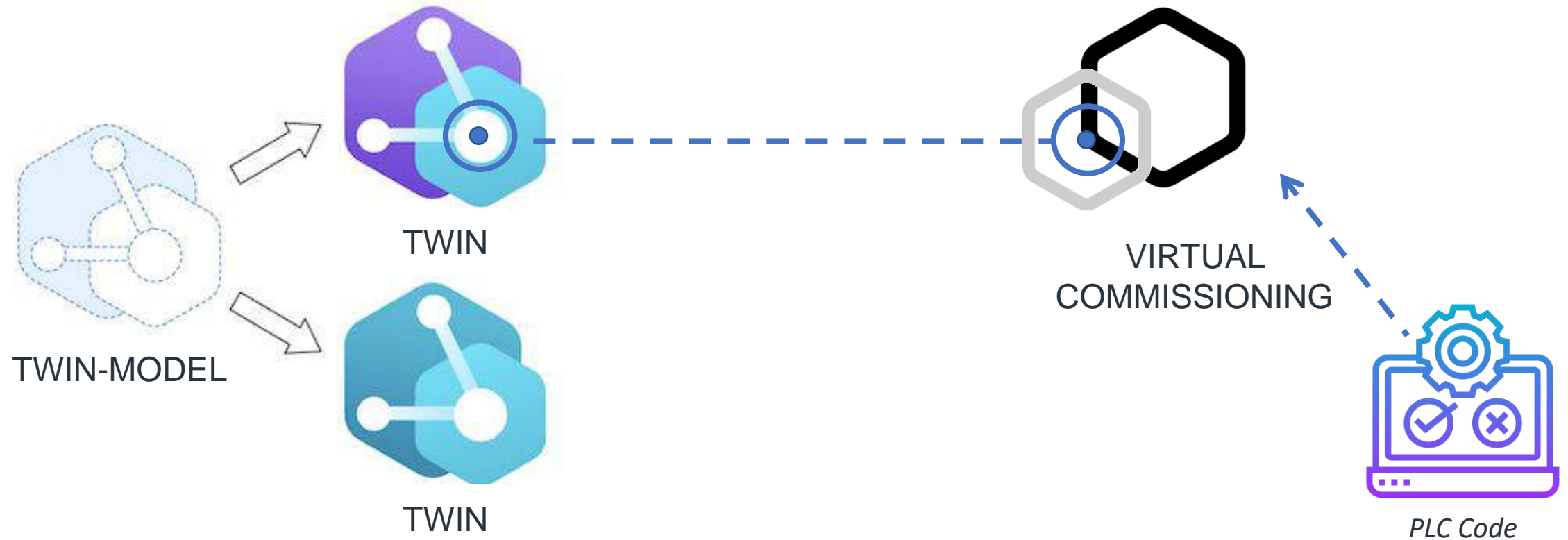




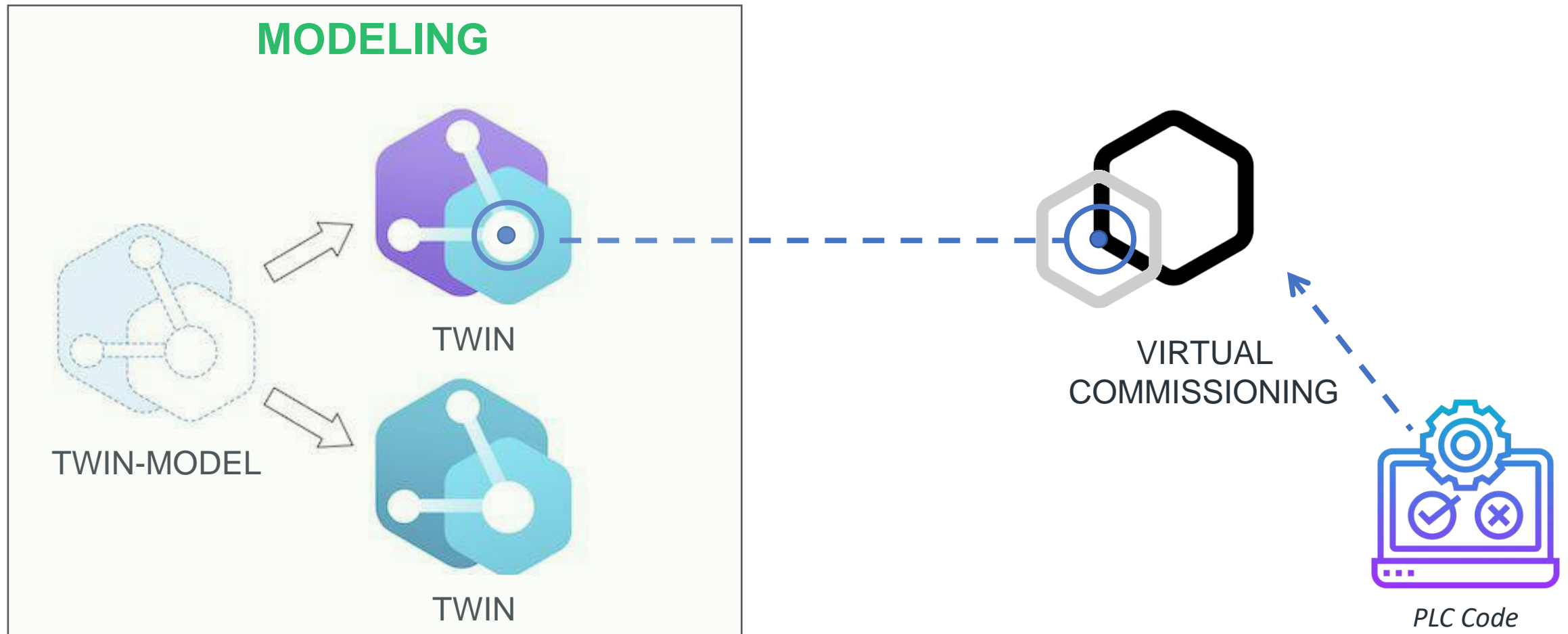
Il Virtual commissioning per mezzo del digital twin



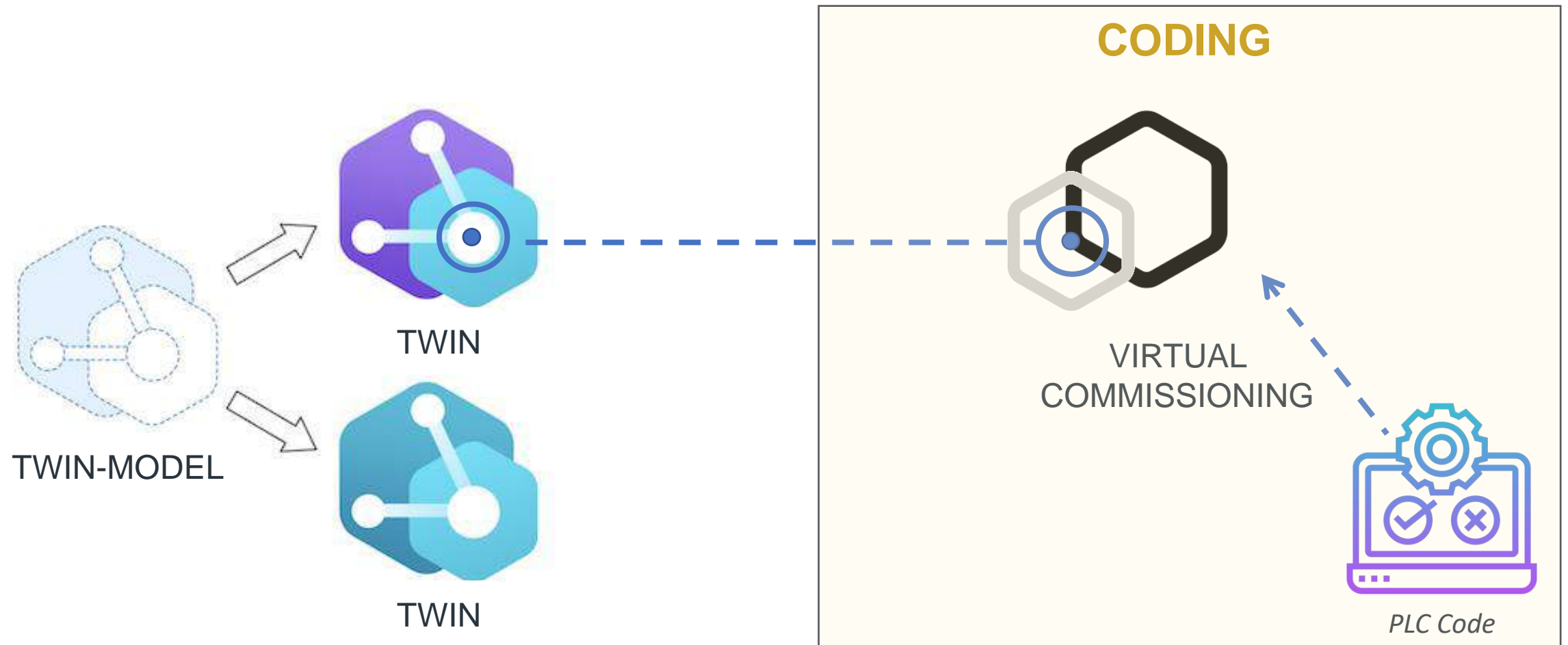
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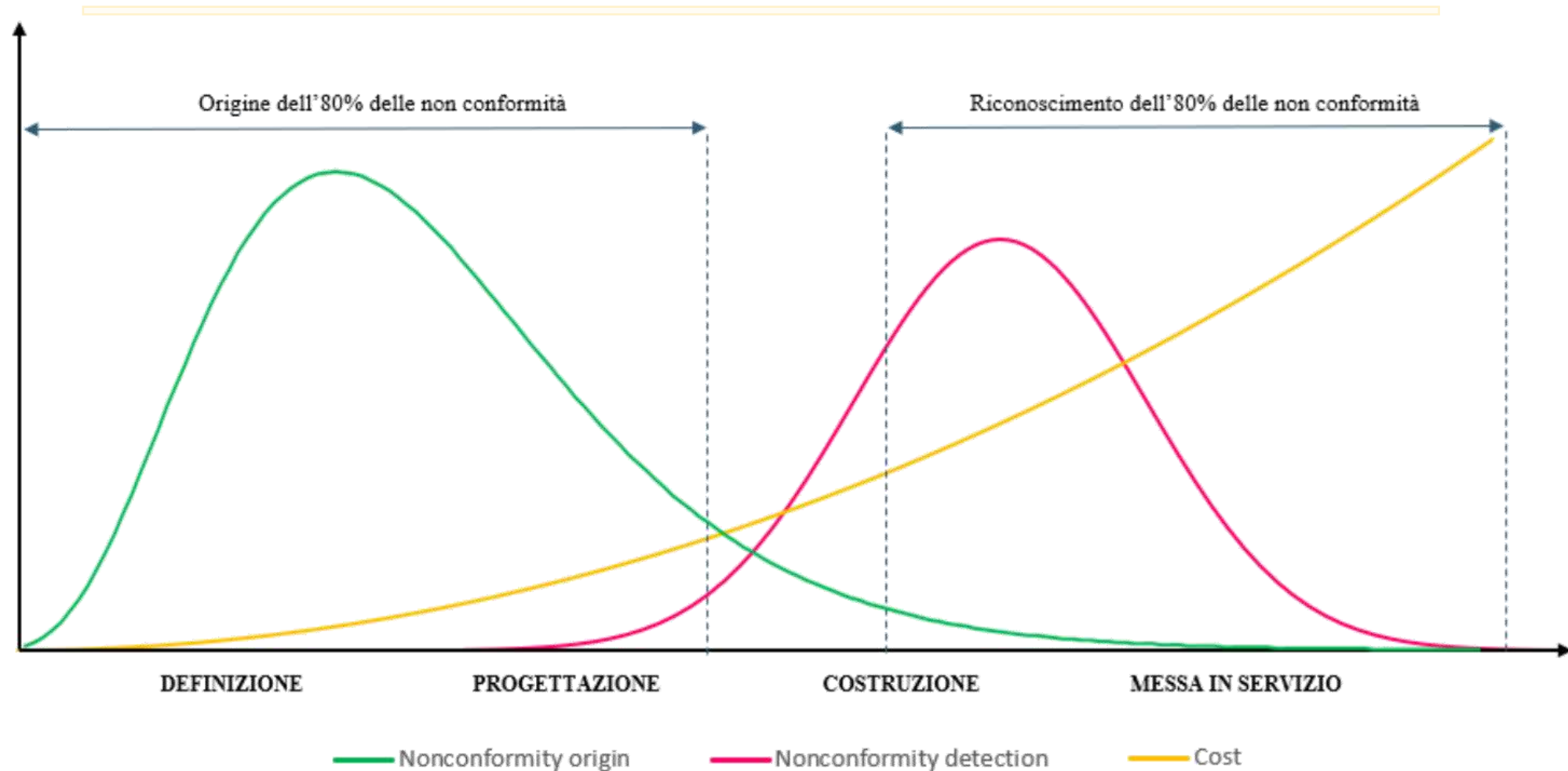
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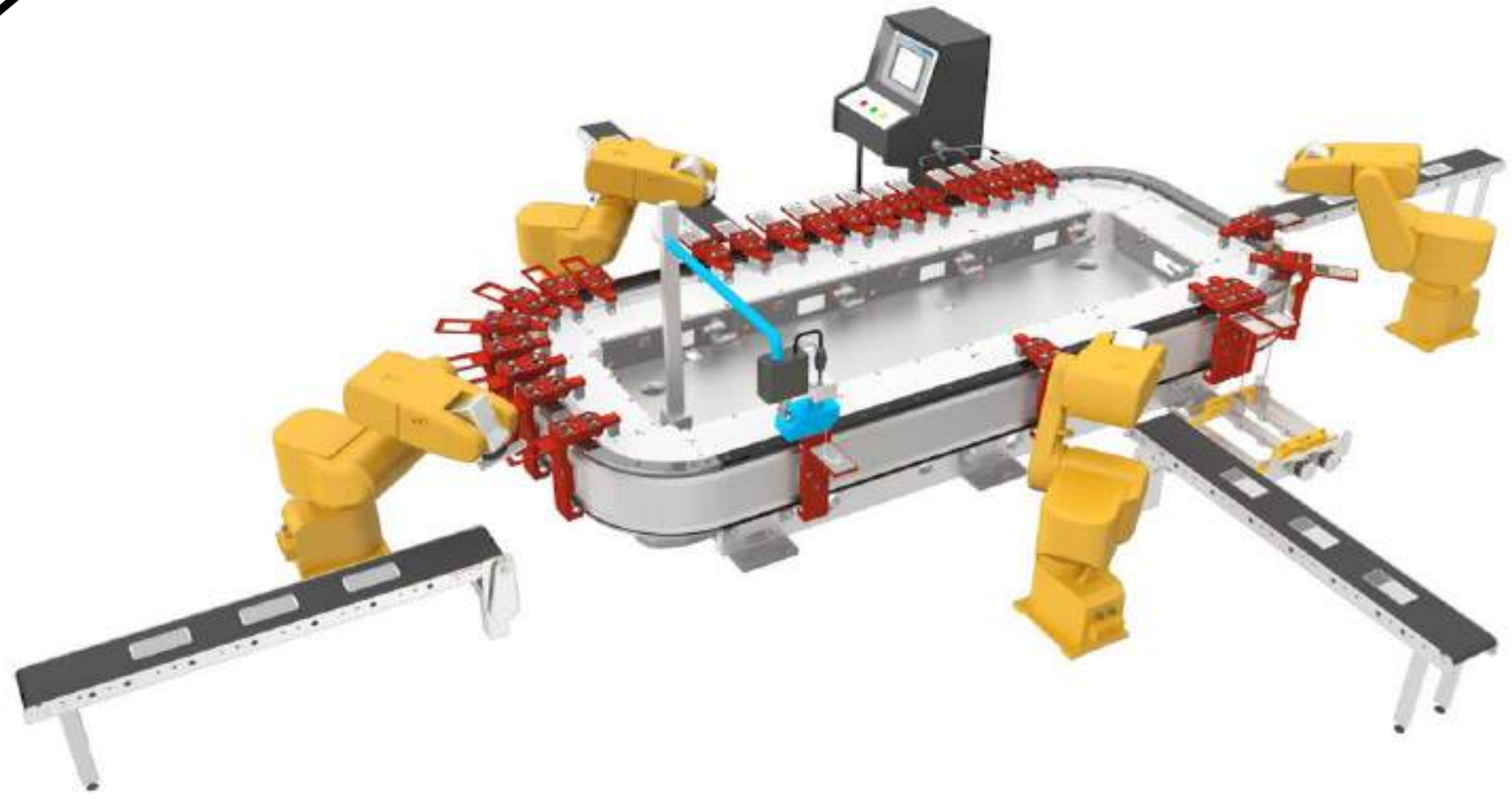


Impatto del virtual commissioning

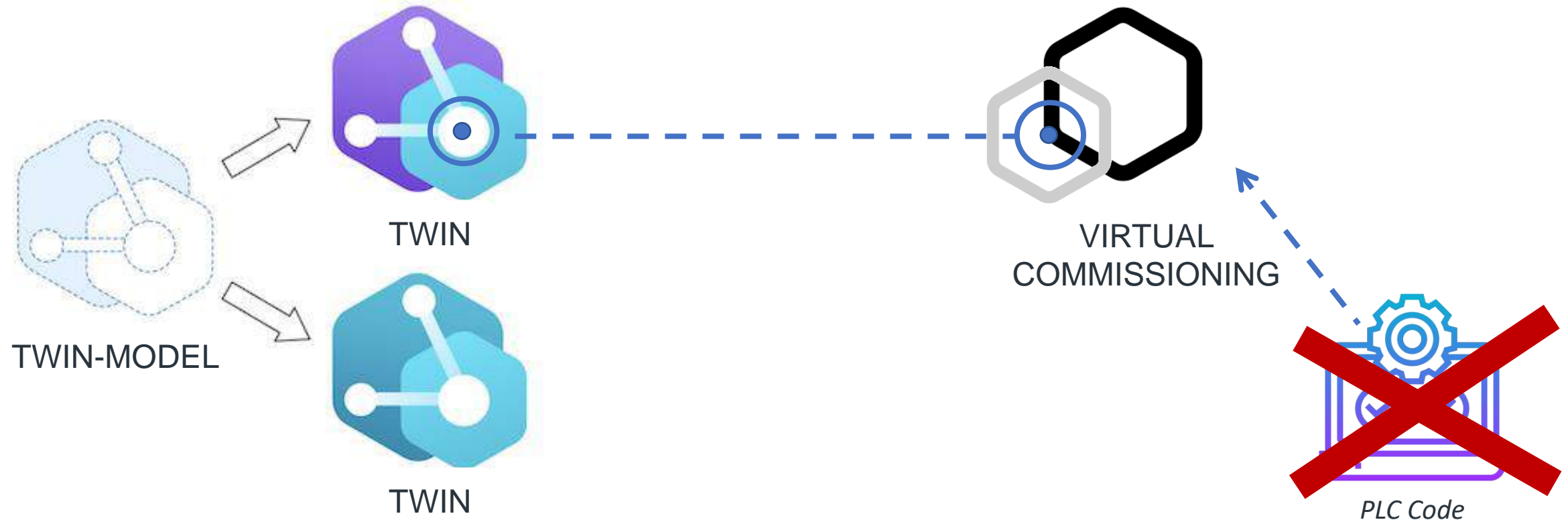


SOURCE: Product Life Cycle Risk Management, 2017

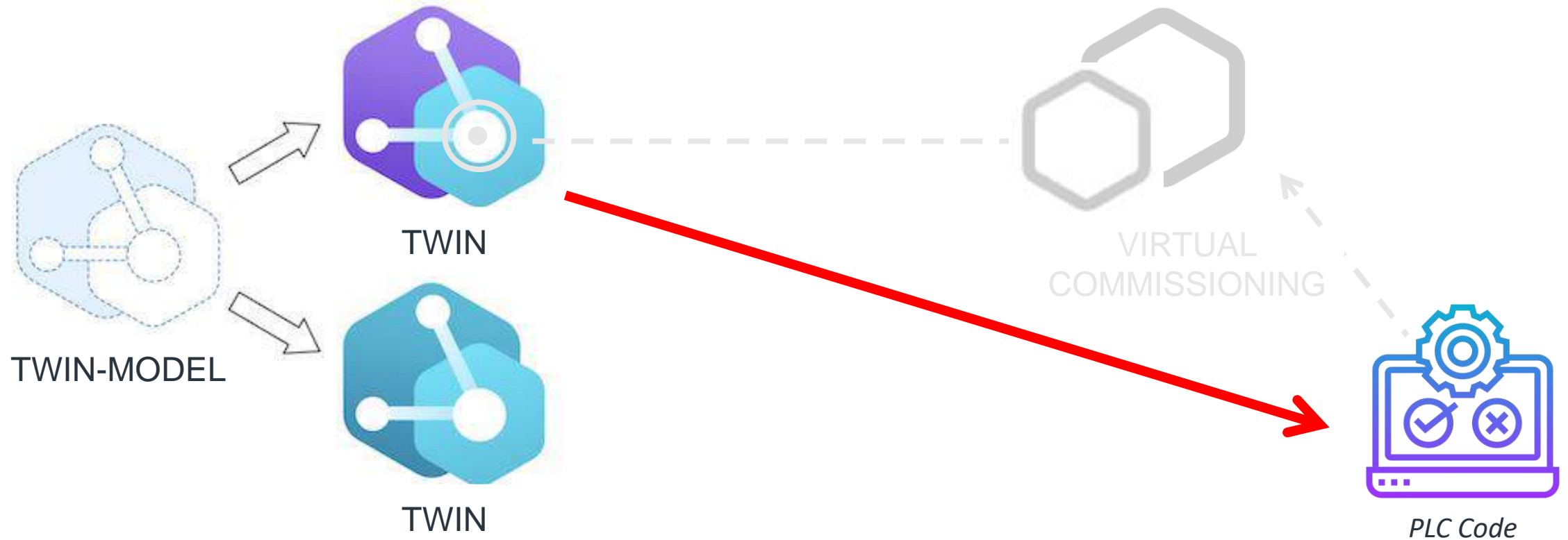
EXAMPLE



Il Virtual commissioning per mezzo del digital twin

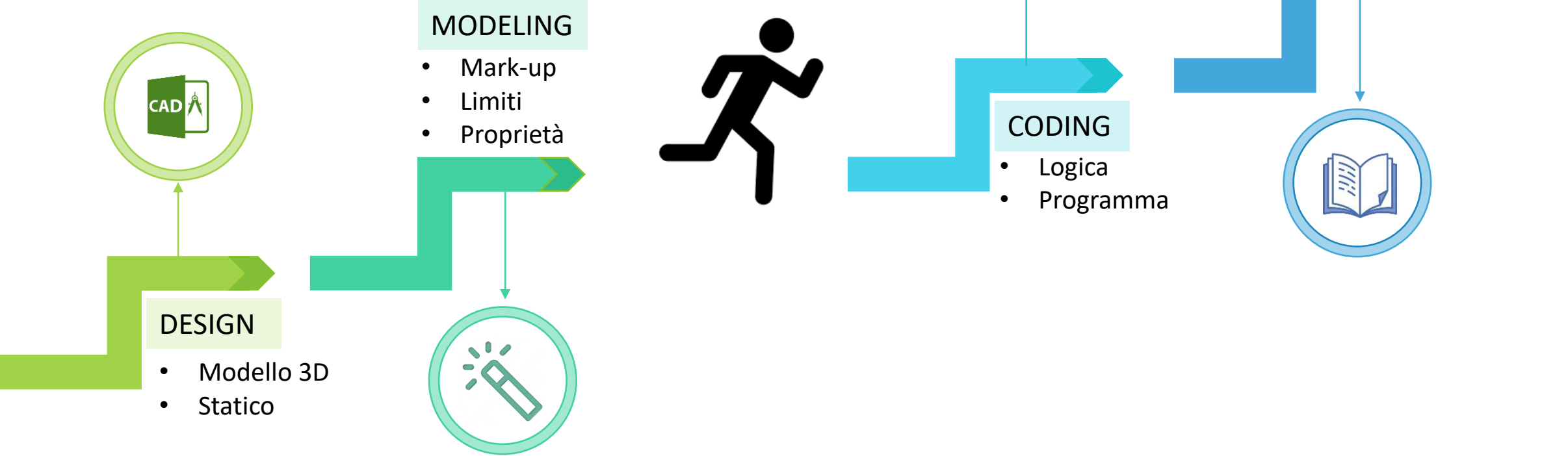


E se fosse possibile generare il codice PLC dal modello?



Flusso di lavoro

Dal modello 3D al codice PLC



Vantaggi

Del digital twin e della code generation

Ridurre Tempo



Ridurre Errori



Standardizzazione

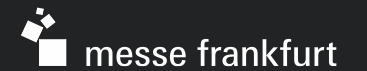


GRAZIE PER L'ATTENZIONE

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Independent Cart Technology Libraries

An extension of the Machine Builder Libraries

KEY FEATURES:

- Life-cycle managed
- Application-centric
- Flexible, granular & modular
- Tested and documented
- Designed in a modular way to maximize granularity
- Utilize standardized interfaces to assure interoperability

iTRAK



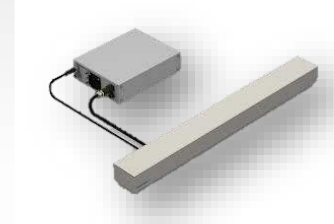
MagneMover LITE



QuickStick HT



QuickStick 100



LIBRARY OBJECTS:

- iTRAK Device Handlers
- MagneMotion Device Handlers
- Standardized operations and sequences for energize, de-energize, recovery, etc
- Collision avoidance features
- HMI Visualization
- Zone and Station management

ESTABLISHING A COMPLETE WORKFLOW FROM CONCEPT TO PRODUCT



Sizing tool



ACM Library management



Generate ACD including all libraries needed



Virtual engineering tools