

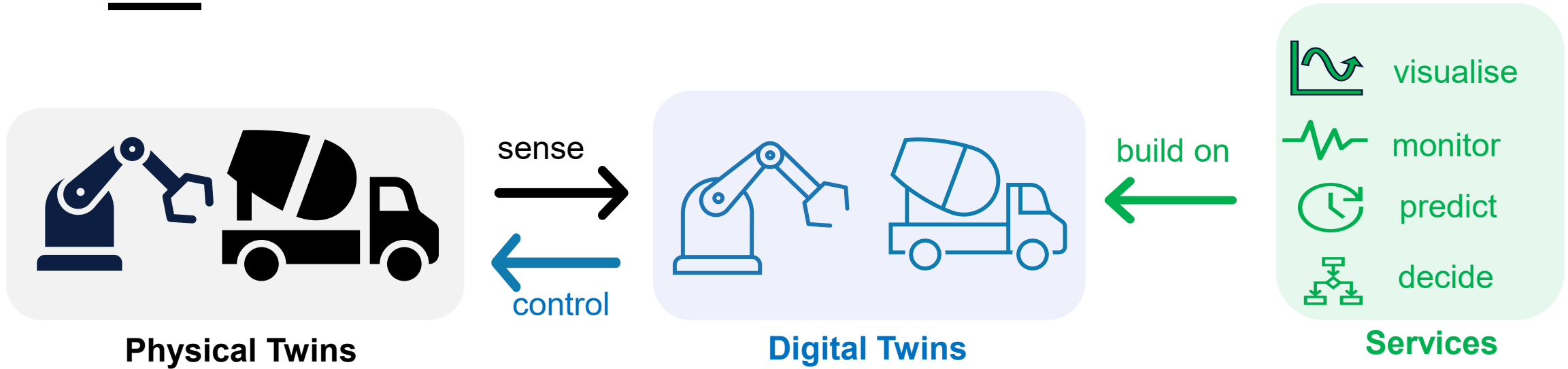
Digital Twin as a Service Software Platform



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What is a Digital Twin?



- ✓ Digital representation of a real-world entity which we call the physical twin.
- ✓ Connected in real-time with physical twin.
- ✓ Offers its stakeholders a range of services

What are the Application Domains?



Water Systems



Air Pollution



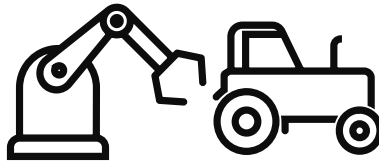
Cities



Lifestyle Interventions



Oceans



Industry 5.0



Transportation



Personalized Medicine



What is **DTaaS** ?

It is a platform to:

Create, Use, and Share Digital Twins

Support Digital Twins from Many Engineering Domains

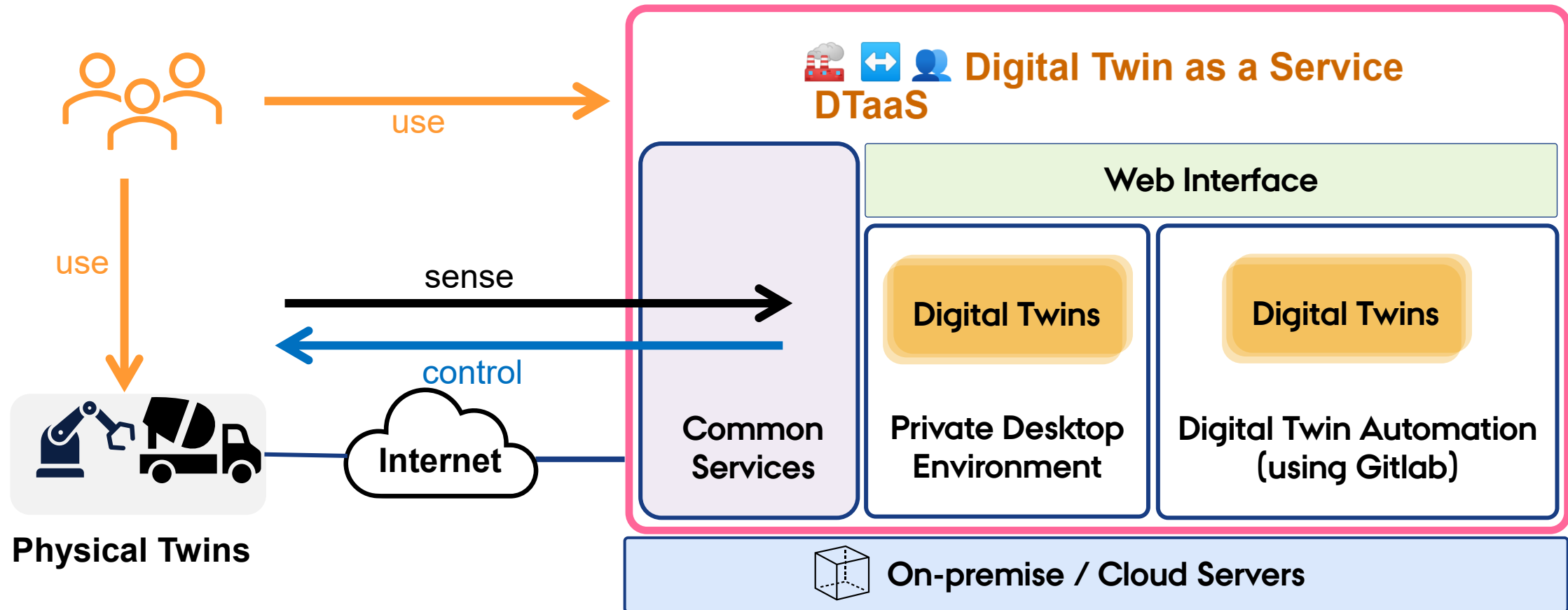
Provides private workspaces

Run Digital Twins as Services

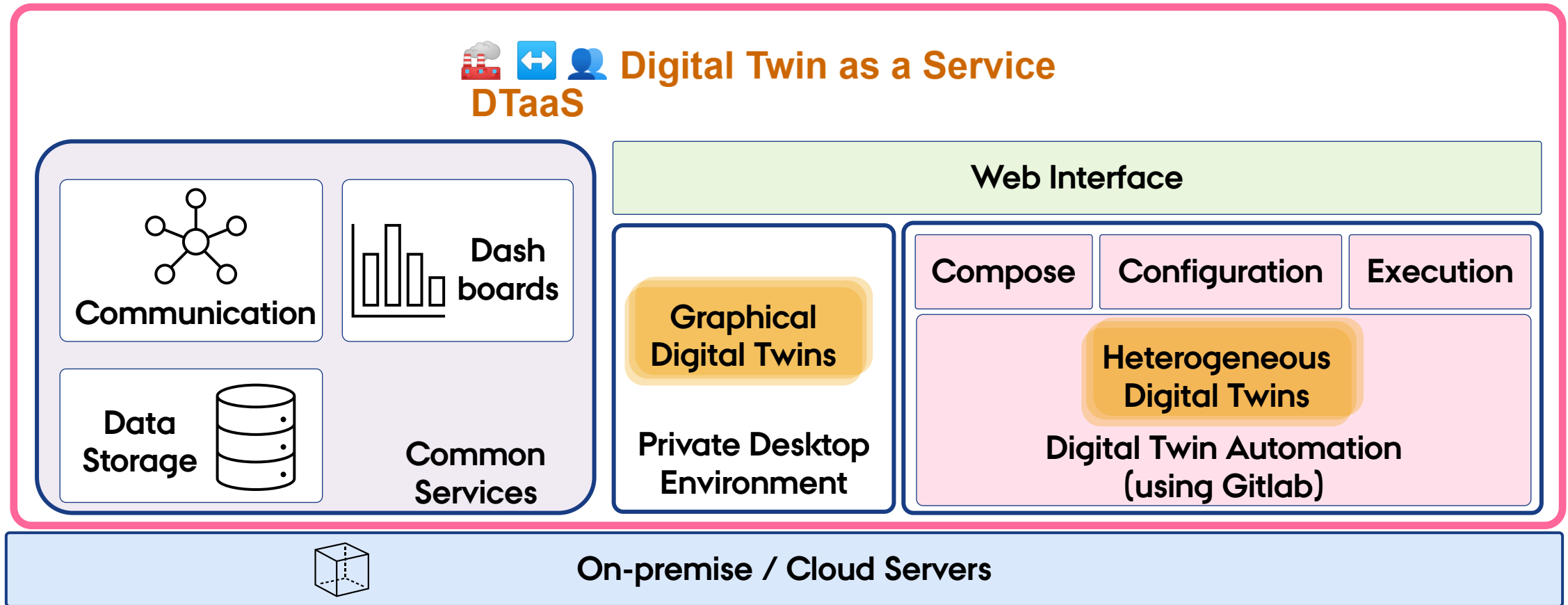
Scalable execution of Digital Twins

Easy to use: familiar desktop environment

A User Centric View of DTaaS



A User Centric View of DTaaS



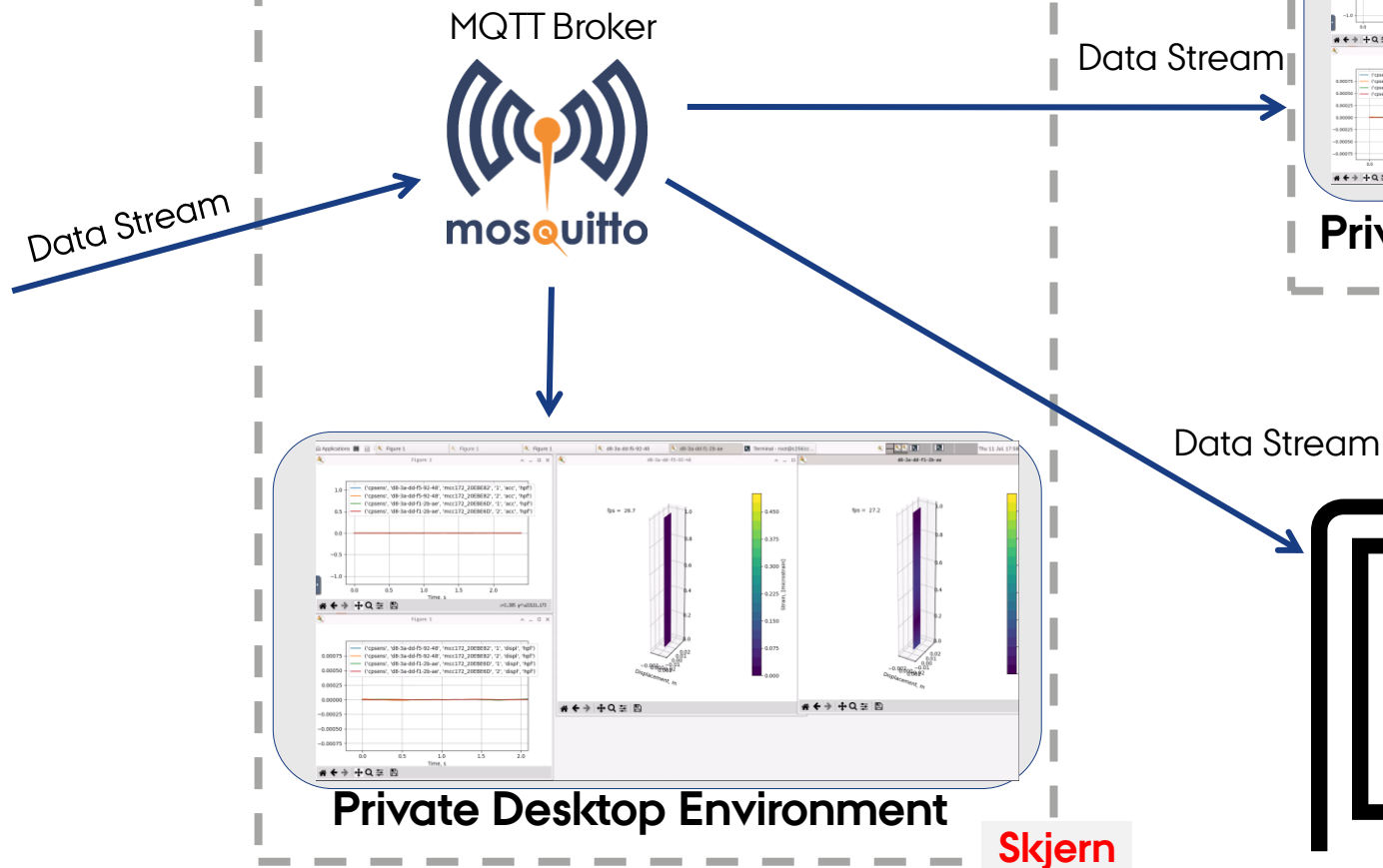
USE OF DTAAAS FOR FEDERATED DIGITAL SHADOWS



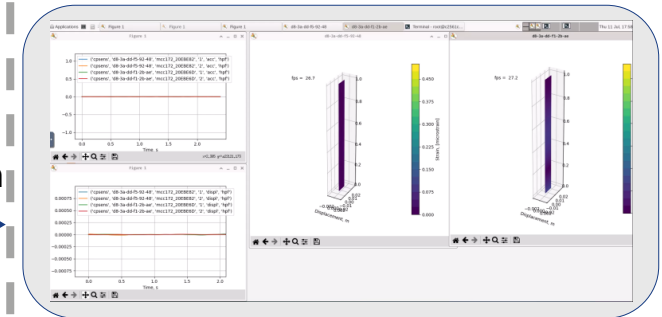
Physical Twin

Copenhagen

DTaaS at Aarhus University



DTaaS on User Laptop



Private Desktop Environment

Copenhagen

Skjern

Aarhus

Ref: Adopted from technical demo done in collaboration with Dmitri Tcherniak and Giuseppe Abbiati, 12-July-2024.