

AI FOR INDUSTRY 4.0

HACKATHON

Introduction of the scenario

Scenario: Dairy Product Packaging

A factory receives **containers** (pots of yoghurt) and stocks of **consumable** (yoghurt) from suppliers. Containers are **filled** and **packaged** at the factory to be sold for retail.



Image: Integrated filling/packaging machine for dairy products – www.galdi.it

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Image: reconfigurable workstations for filling and packaging –
www.erm-automatismes.com and
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Industry 4.0

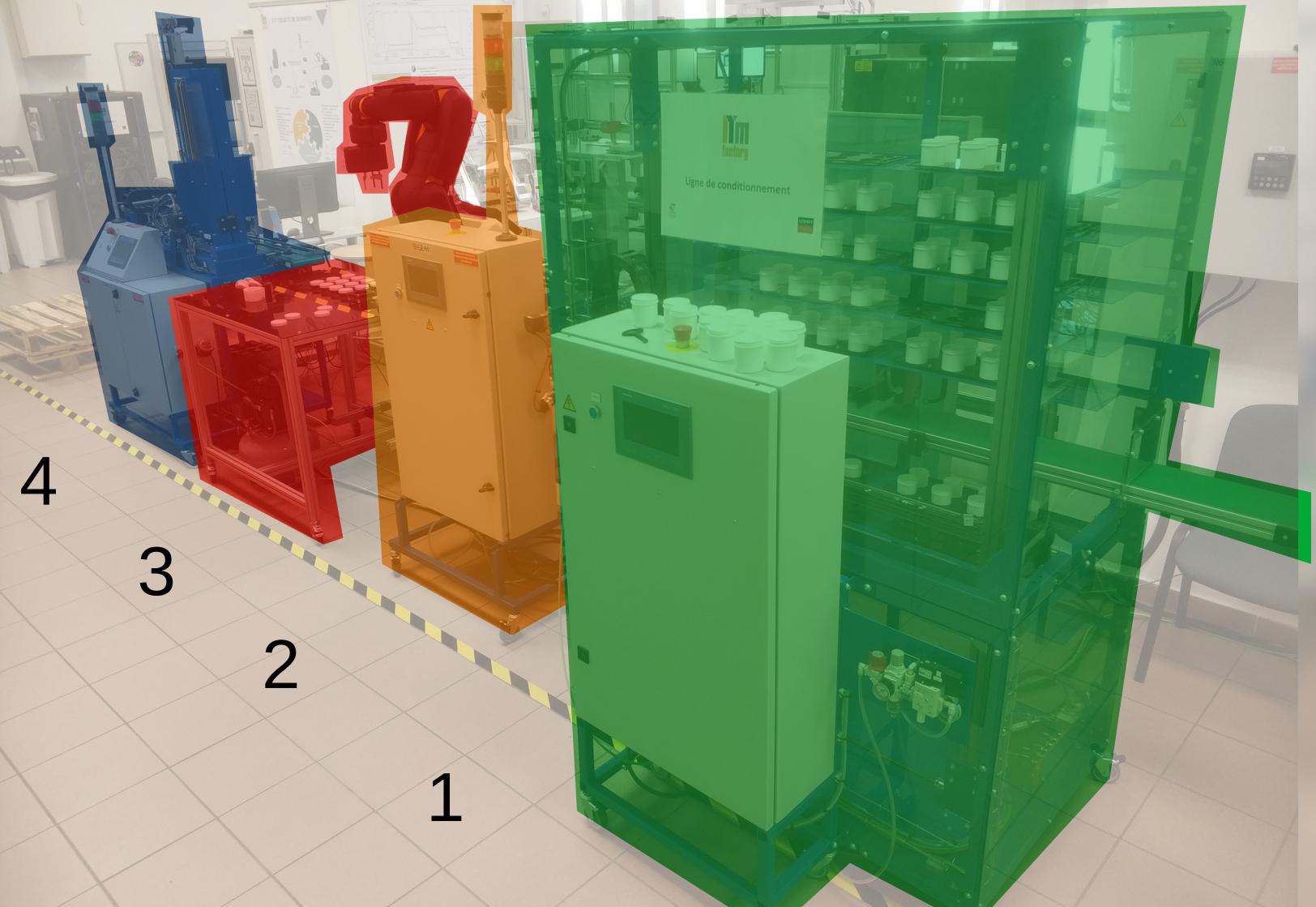


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Packaging Process: Four Steps

- 1) Pick container from storage rack
- 2) Fill container with consumable
- 3) Close container with a lid
- 4) Package container (size 4 or 6)

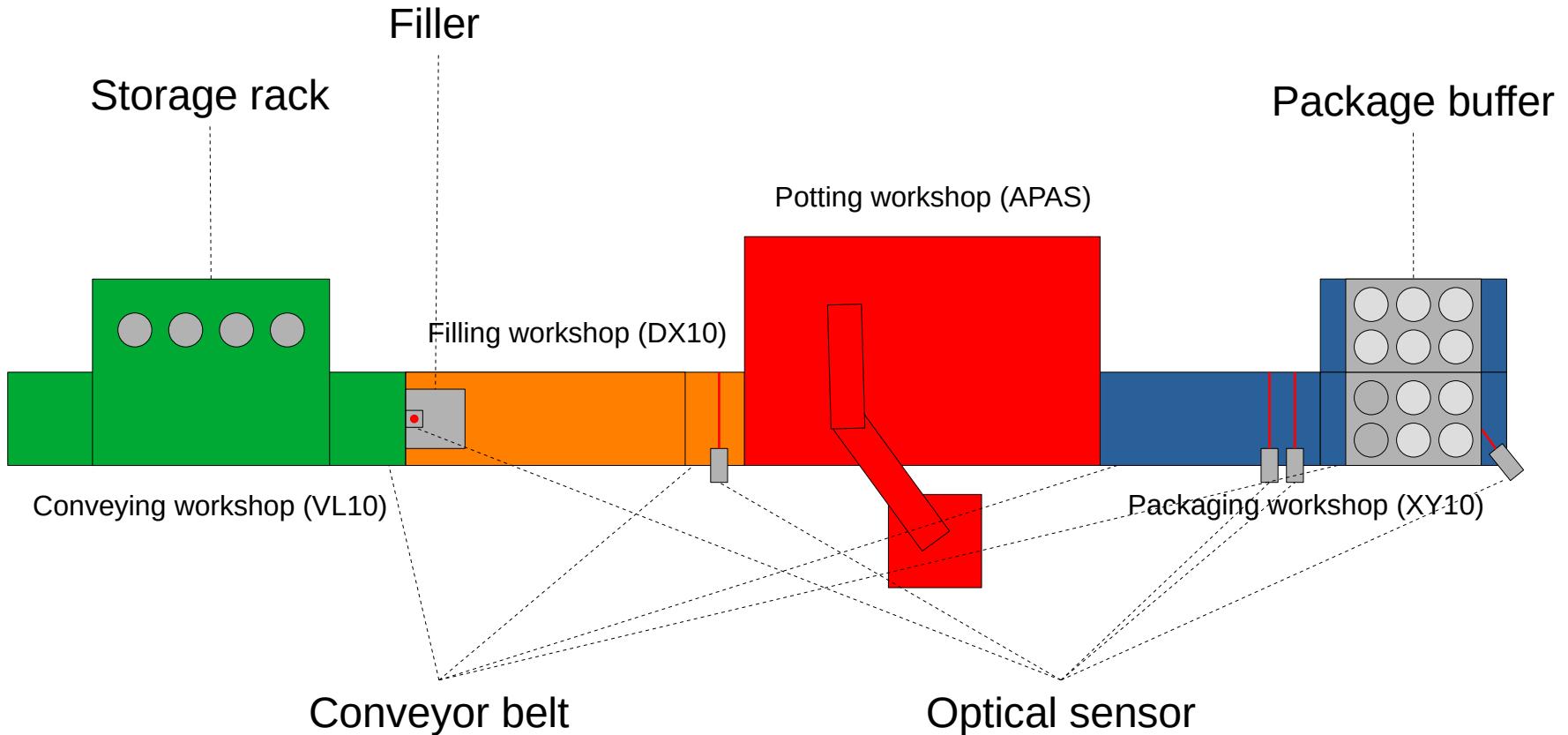




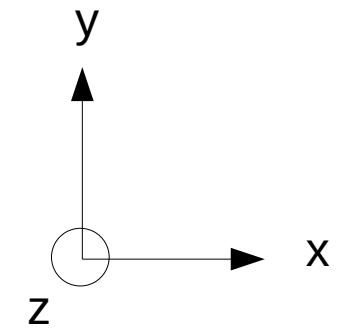
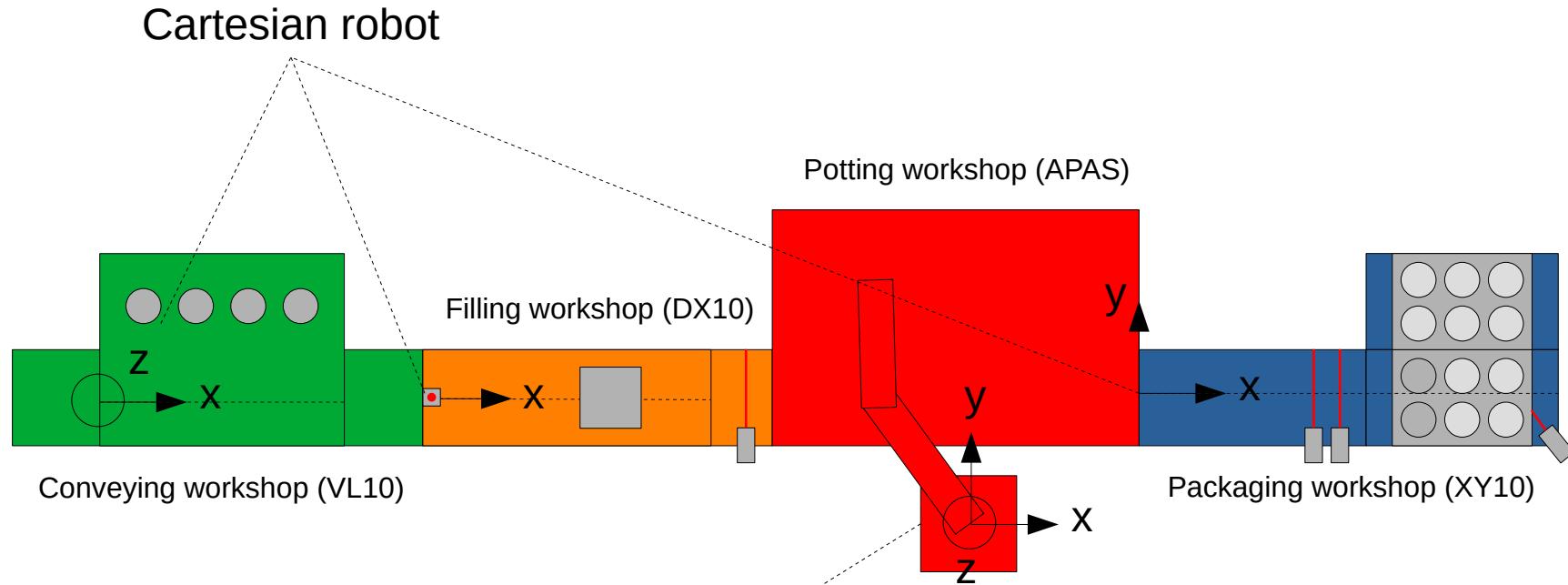




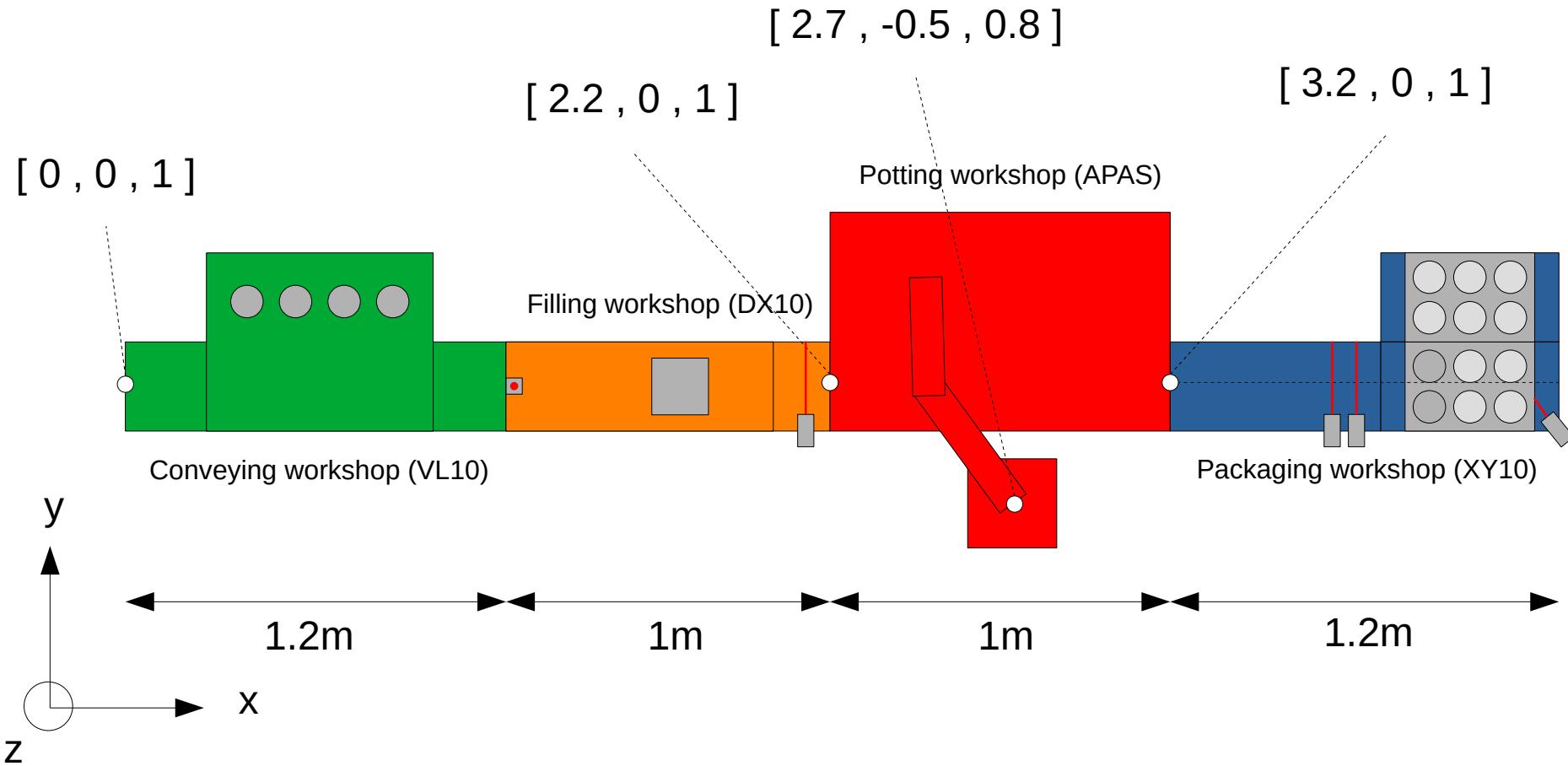
(Simulated) Factory line



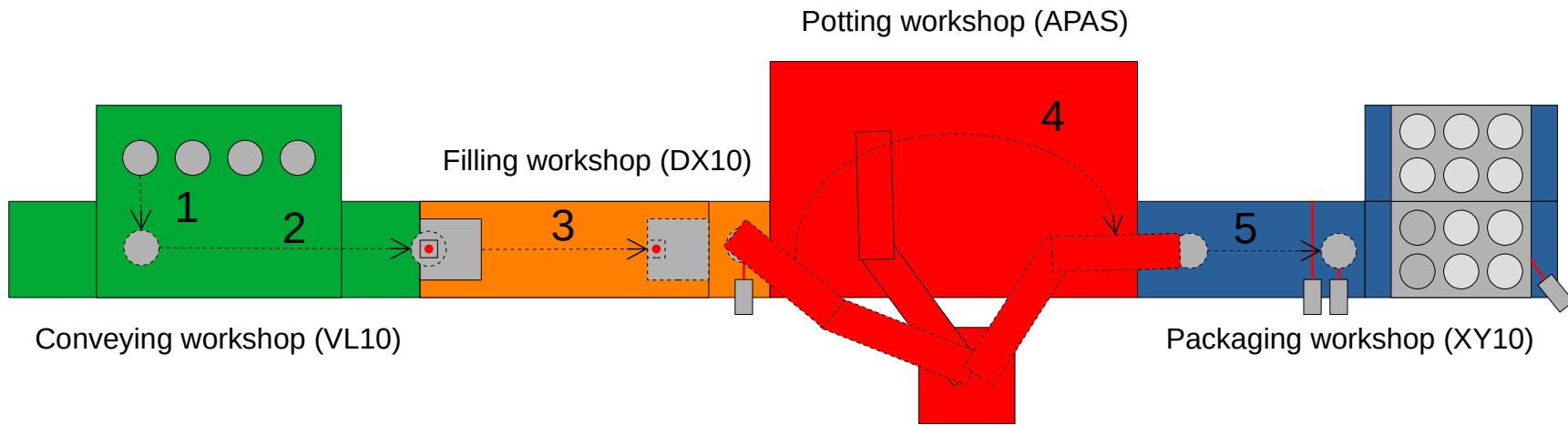
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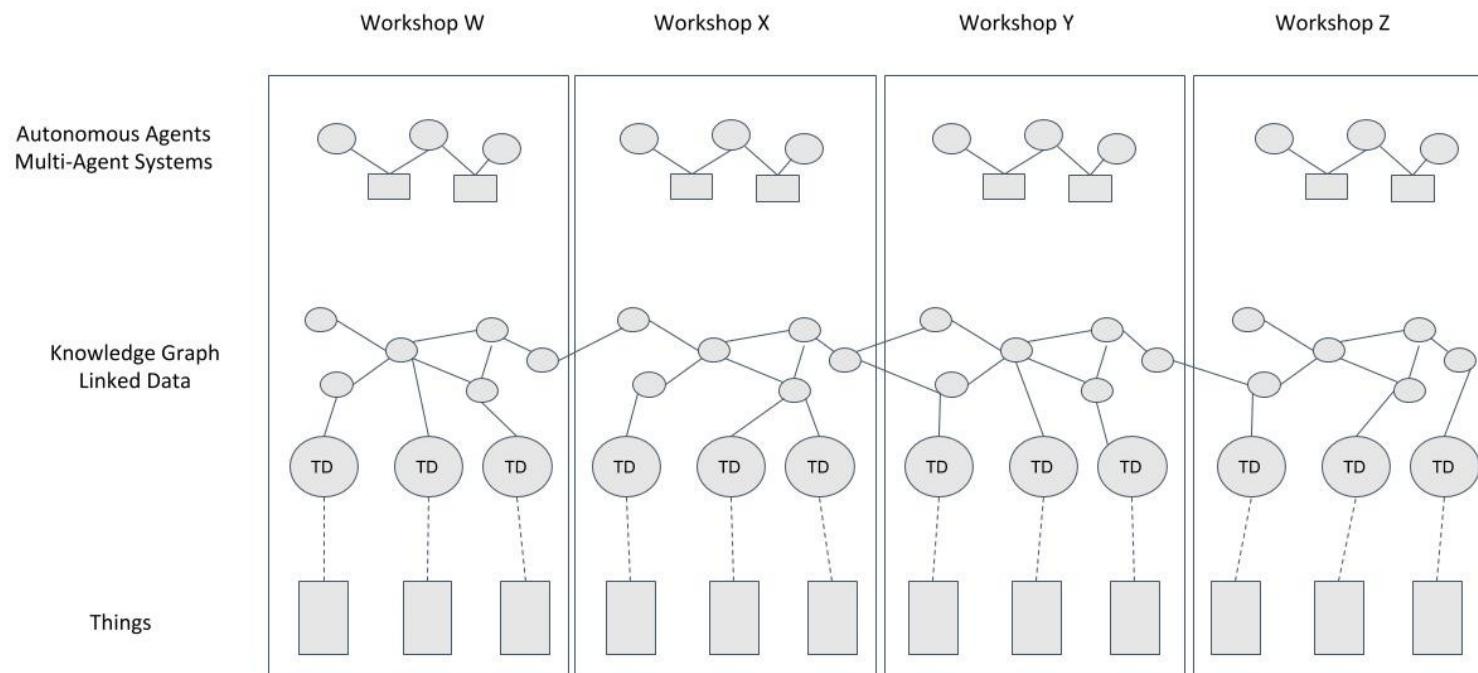
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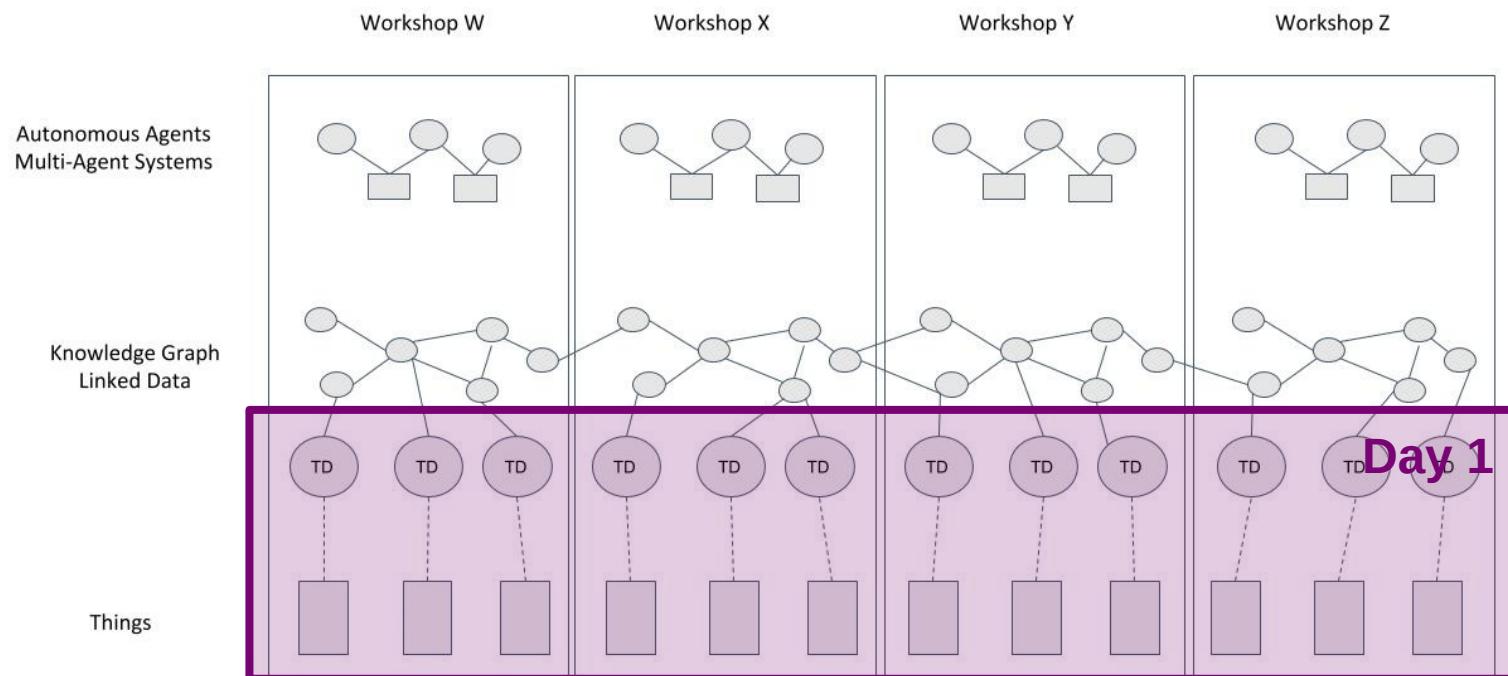
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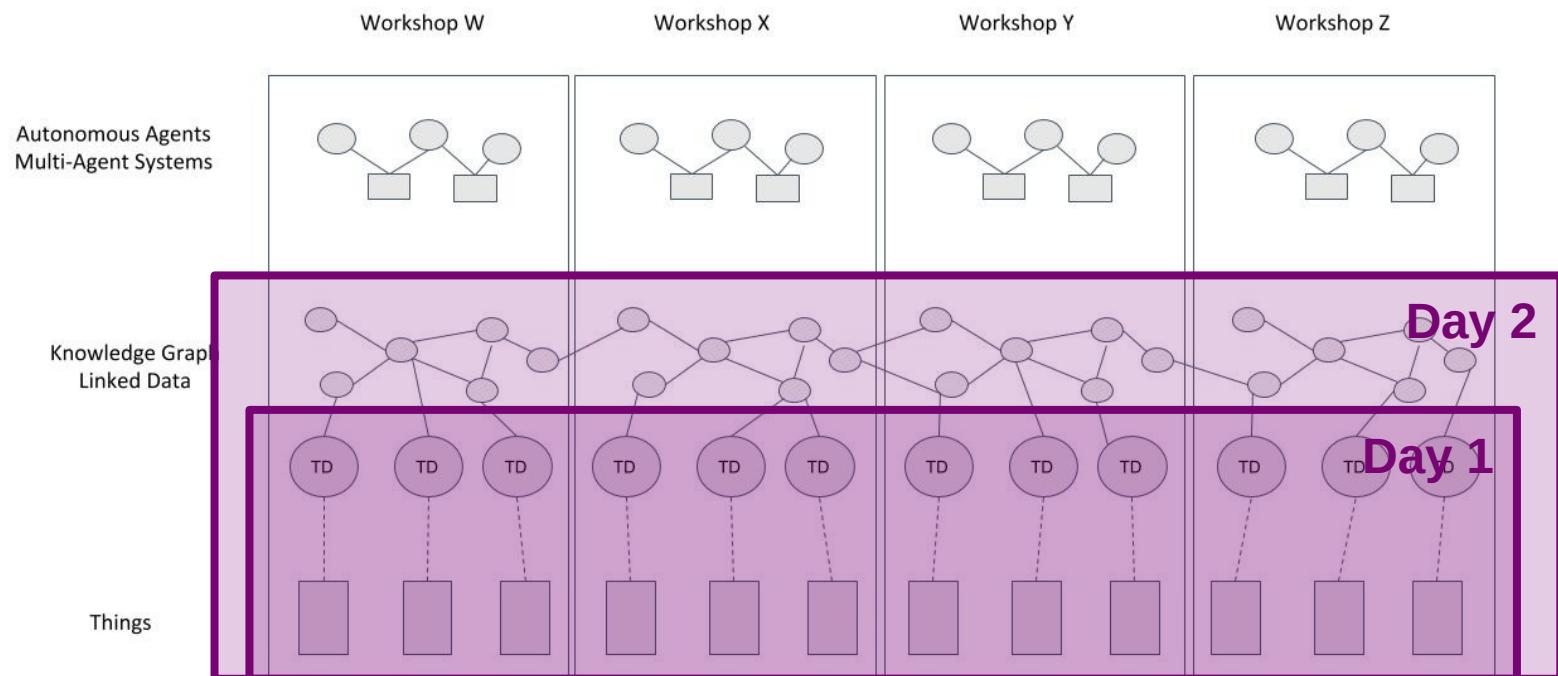
Scope of the Hackathon



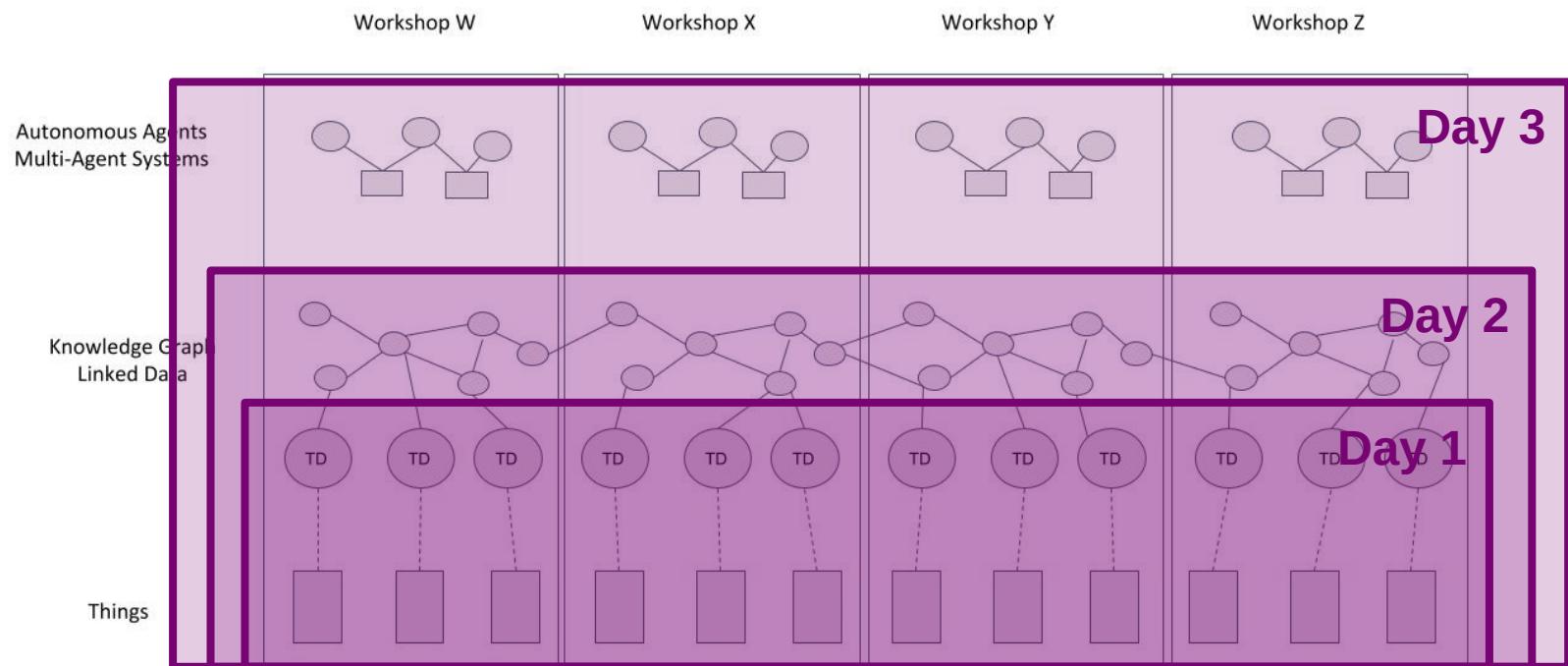
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Good luck.