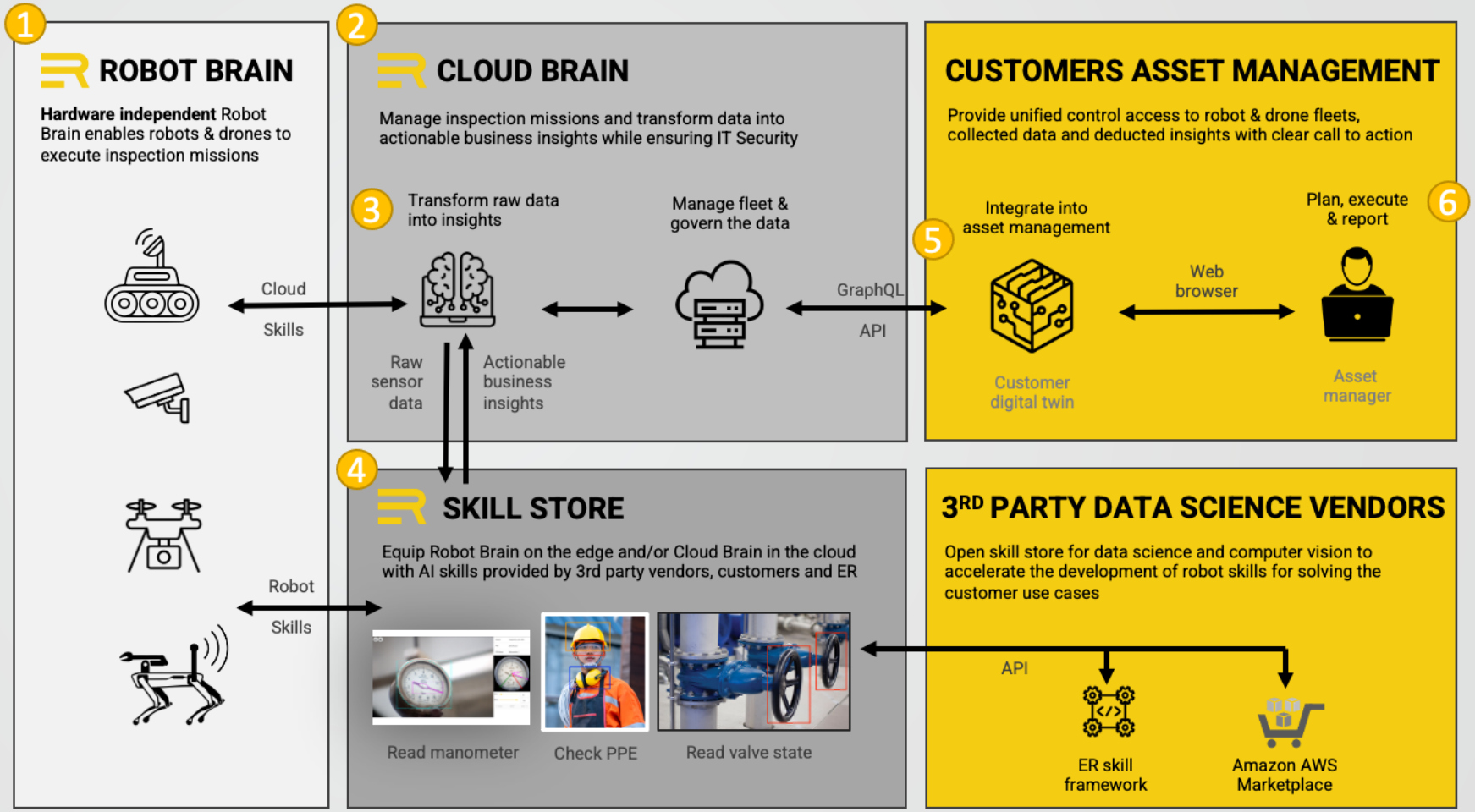
Software, Skills & data integration

1. Robot Brain can be adapted to control any robot or drone on the lowest system levels to autonomously perform inspections
2. Pre-process raw inspection data on the edge and securely upload it into the cloud
3. Transform uploaded inspection data into actionable business insights
4. Open Skill Store provides AI and computer vision apps on the edge and in the cloud – provided by 3rd party vendors, customers and ER
5. Integrate information into existing customer IT and/or digital twin
6. Merge all information in central customer cockpit



Skills! What?

Skill – Small containerized ”App”
Deployed on the cloud, edge or on robot to process sensor data and influence robot behavior

Extract information out of data
Using AI-based machine vision and sensing algorithms to create business information

Ease of Use
Simple to install, independent from robot hardware and sensor payload

Influence robot behavior
Alerts can be raised based on min/max limits, or the inspection mission is changed

How does customer use are robots?

First responder

Defining dangerous/hazardous situations for emergency responders

? %

Fugitive emissions

Detecting gas leaks into the environment

? %

Digitalization

Autonomous data collection and digitalization.

? %

De-manning

Performing monitoring/ reporting activities at unmanned facilities

? %

How does customer use are robots?

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100 %

Thank you

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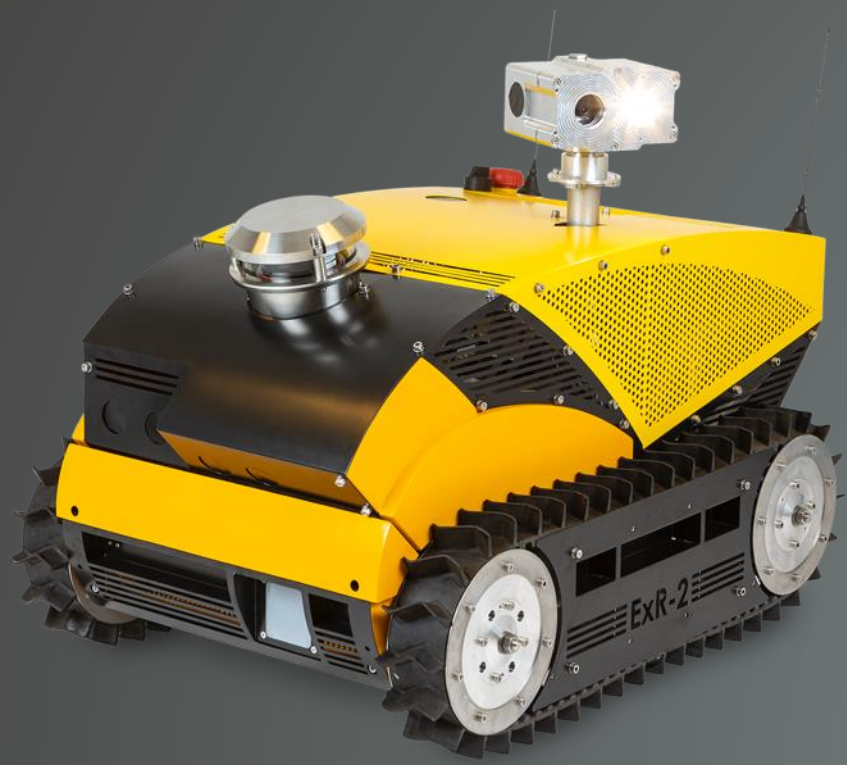

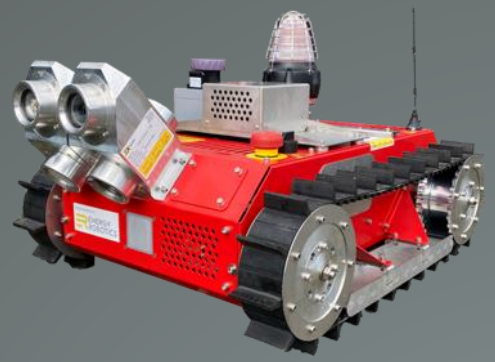

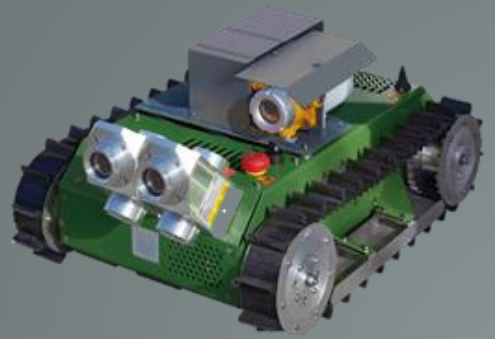

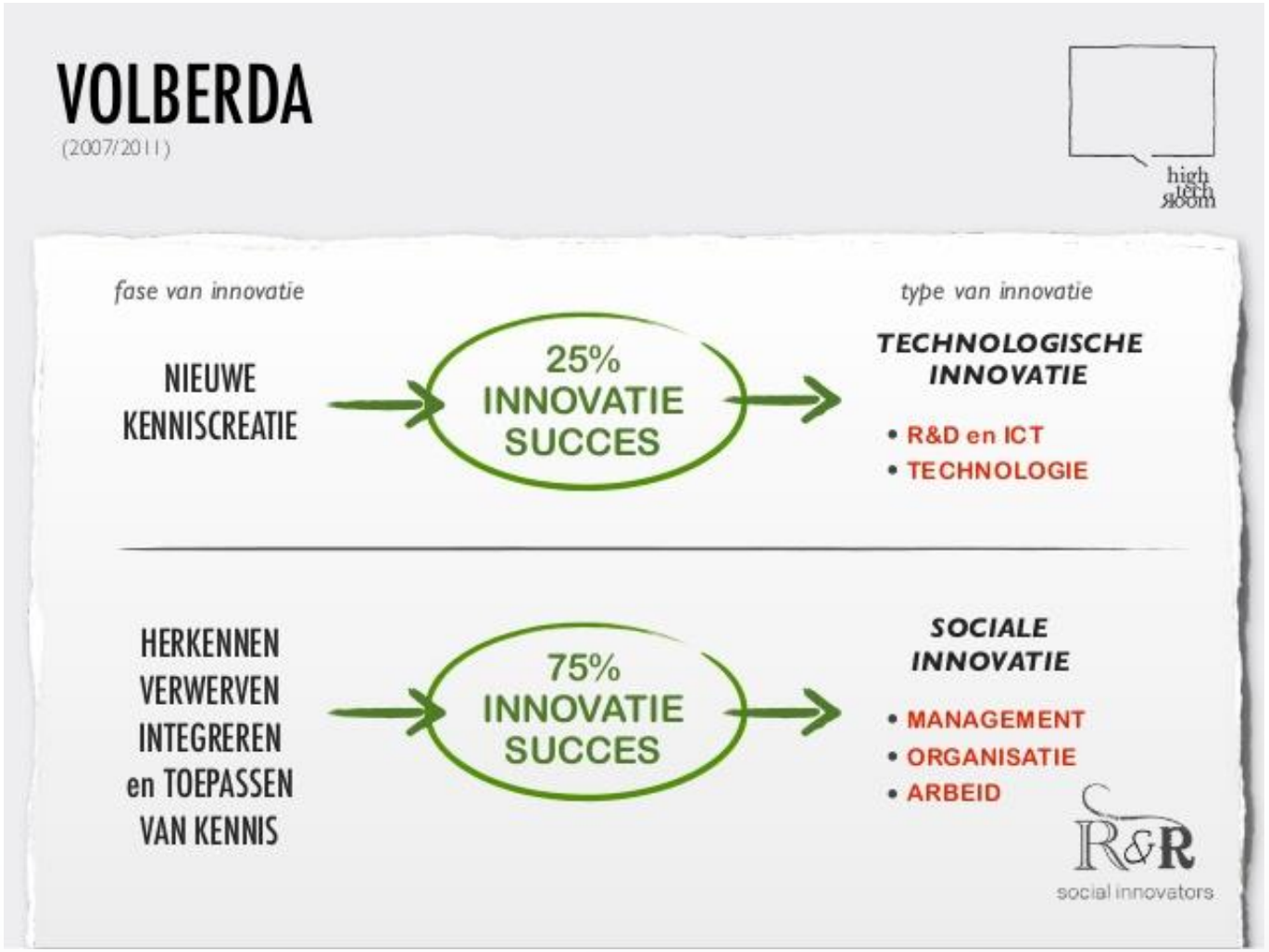

WORLD CLASS MAINTENANCE

Wat weerhoudt ons om nieuwe technieken in te zetten tbv veiligheid?

Wat is er nodig om tot actie over te gaan?