

# SKYEBASE Drone Inspection Services

**EPSC** 

04/05/21













#### What does the customer want?

#### Critical assets are aging and need regular inspection and maintenance







#### **Increasing uptime**

- Efficient drone inspections of hard-to-reach places
- Better and consistent inspections through automation
- Lifetime extension through preventive maintenance



#### **Actionable insights for preventive maintenance**

- Intelligent defect tracking trough AI
- Use of advanced camera's (e.g. thermal)
- Defect visualization on digital twins
- Maintenance suggestions via SaaS platform



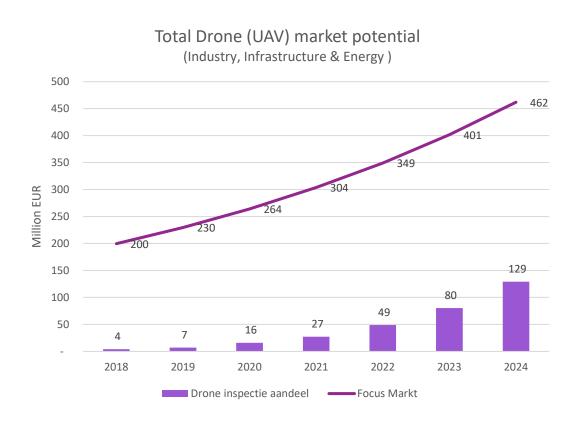
#### Safer, better & faster inspections

- Combined offering for data captation & data analysis
- Wide range of professional robotic inspections (UAV, ROV, ...)
- Integrated reporting via platform solutions
- SPOC



### Total market potential of 450 Mio EUR in Belgium by 2024

#### A rapidly growing market!



- Estimation by PWC and Agoria of the value of businesses and labor that may be replaced by drone powered solutions
- Focus markets: Industry, Infrastructure and Energy
- Total potential of Focus Market in 2020 = 264 Mio
   EUR in Belgium
- Annual market growth of 15 -20% and
- Drone inspections will be 28% of the market
- Dutch Market is at least the same size!

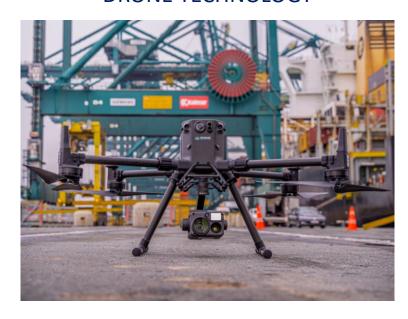
A rapidly evolving and growing market!

Source: PWC Overview of the Belgian UAV ecosystem & the development of commercial drone applications in Belgium, May 2018

# The new way of asset inspections – DT<sup>3</sup>

#### Drone Technology, Data Technology, Digital Transformation

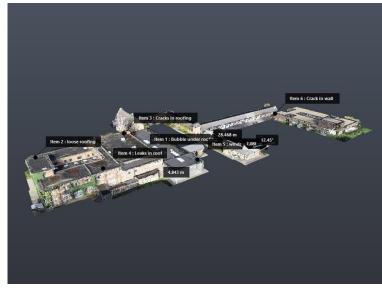
#### **DRONE TECHNOLOGY**



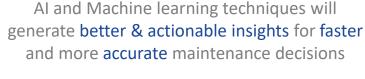
#### **DATA TECHNOLOGY**



# DIGITAL TRANSFORMATION



60% more efficient and safer inspections lead to a saving of 77k EUR per crane per year (lower inspection costs and operations loss)















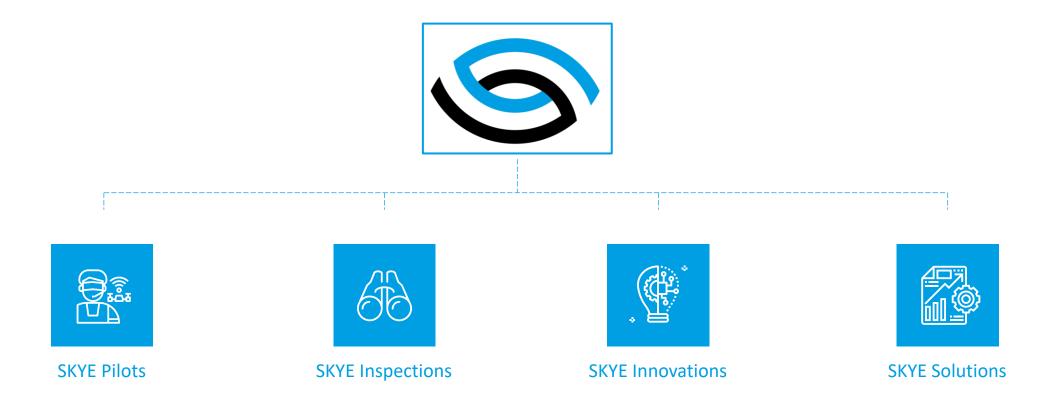






# The unique Skyebase proposition

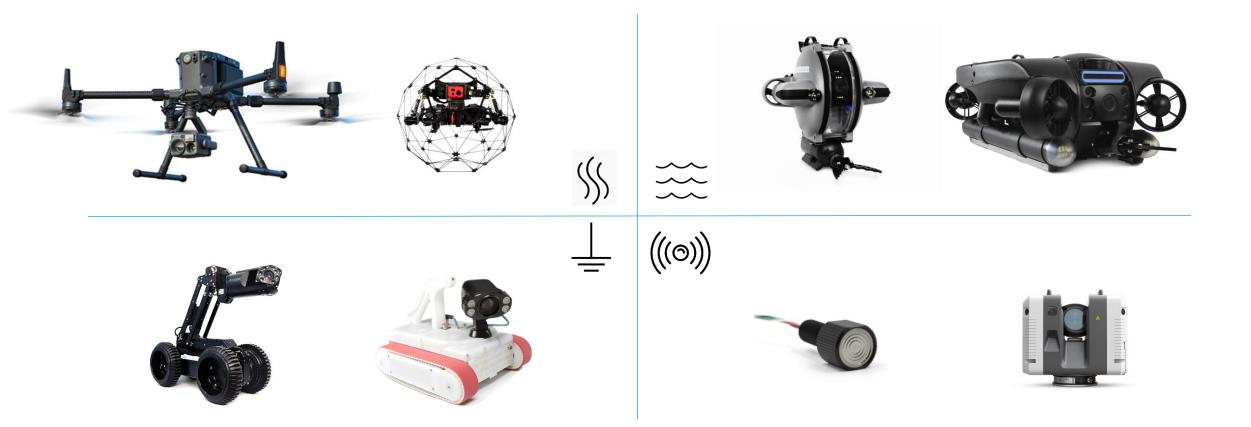
A professional partner for drone inspection and innovation



# **SKYE Inspections**



### Intelligent technology helps to capture more consistent data

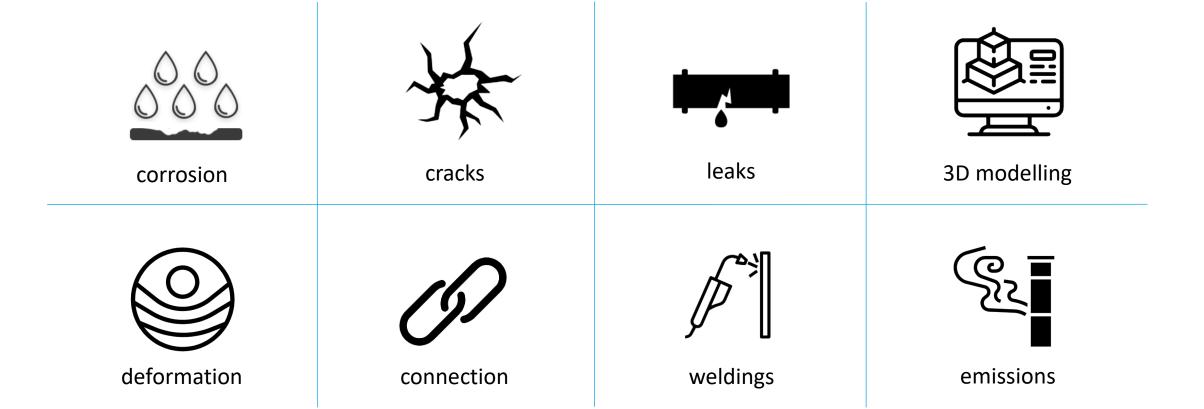


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# **SKYE Inspections**



### Safer, faster and better monitoring of the asset health

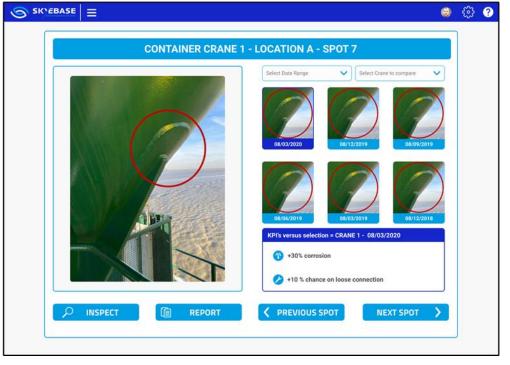


## **SKYE Solutions**



#### A custom made reporting tool







# **USE CASE INDUSTRY**

## Inspection of brackish water piping















# USE CASE ENERGY (Fluxys)

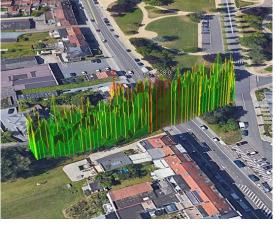
#### Methane measurements













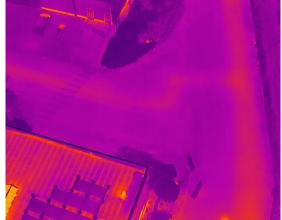
## **USE CASE INDUSTRY**

### Inspection of flue gas duct and heating network









## 3D MODELLING

### View and monitor defects digitally



## SAFETY FIRST









Safe and efficient execution of inspections on difficult and hard to reach places







# Cooperation

#### Two possibilities to start with a next step

1. Demo



2. Pilot case



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