
DRYAD
CONNECTING THE NATURAL WORLD
Ultra-Early Detection of Wildfires
January 2023

Impact of Wildfires

Wildfires cause
20%
of global CO2 emissions

Human induced
80%
of wildfires

Biodiversity loss
> 3 billion
animals killed

Financial damages
$140 billion
global economic loss

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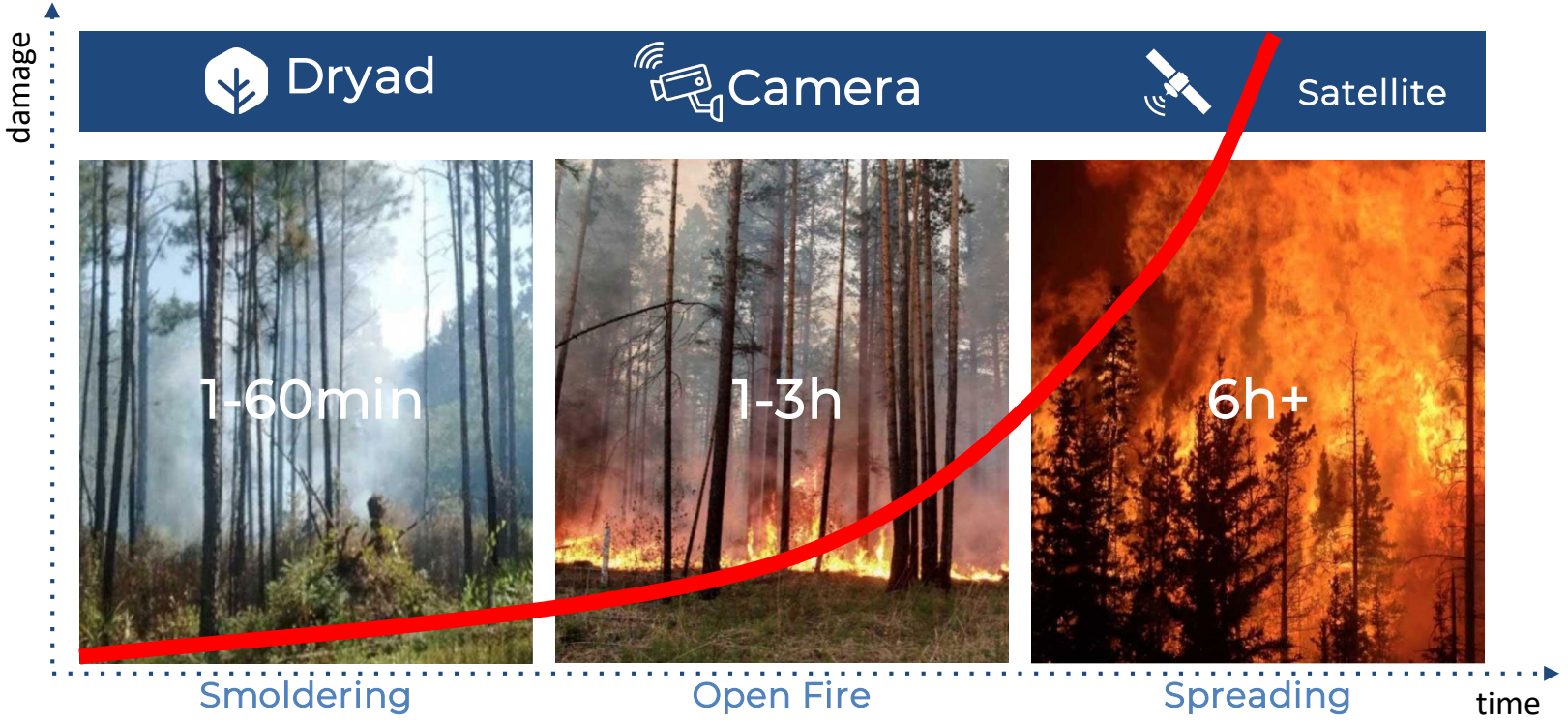
Time is of the Essence



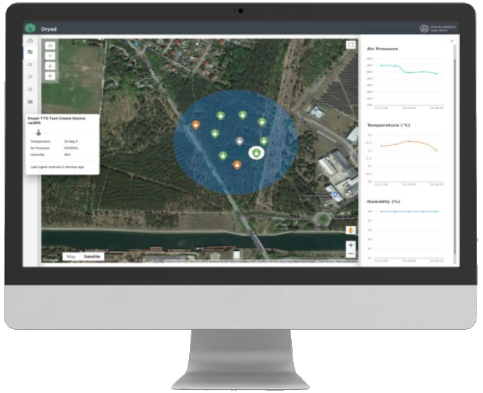
Dryad Silvanet™

Sensor

Solar-powered gas sensors detect wildfires within first 60 minutes.

Gateways

Distributed LoRa Gateways provide a large-scale mesh network infrastructure.



Monitoring

Device management, monitoring and alerting.

Four PCT patent applications pending

Large-Scale IoT Mesh Network for Forestry

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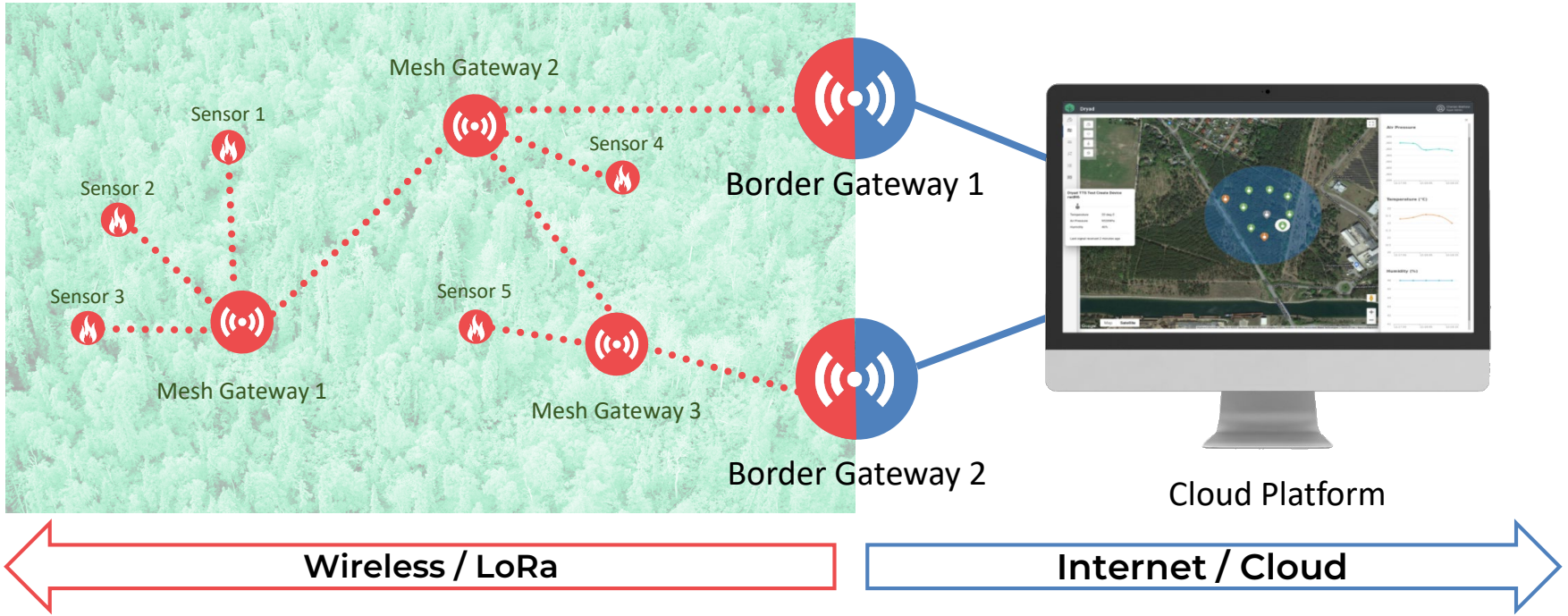

Use-Cases, Benefits & Roadmap

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Ultra-Early Fire Detection

- Protects assets and prevents financial damages
- Dramatically reduces costs of firefighting
- Reduces insurance payments
- Saves human and wildlife

Roadmap: Forest Monitoring

Sensor / Device	Function
Fuel moisture sensor	Determine fire risk level
Sap flow	Tree water consumption
Soil moisture sensor	Measure water reservoir
Dendrometer	Measure tree growth
Chainsaw detector	Prevent illegal logging
2-way Pager	Chat for forest workers

Business Model

Sensor

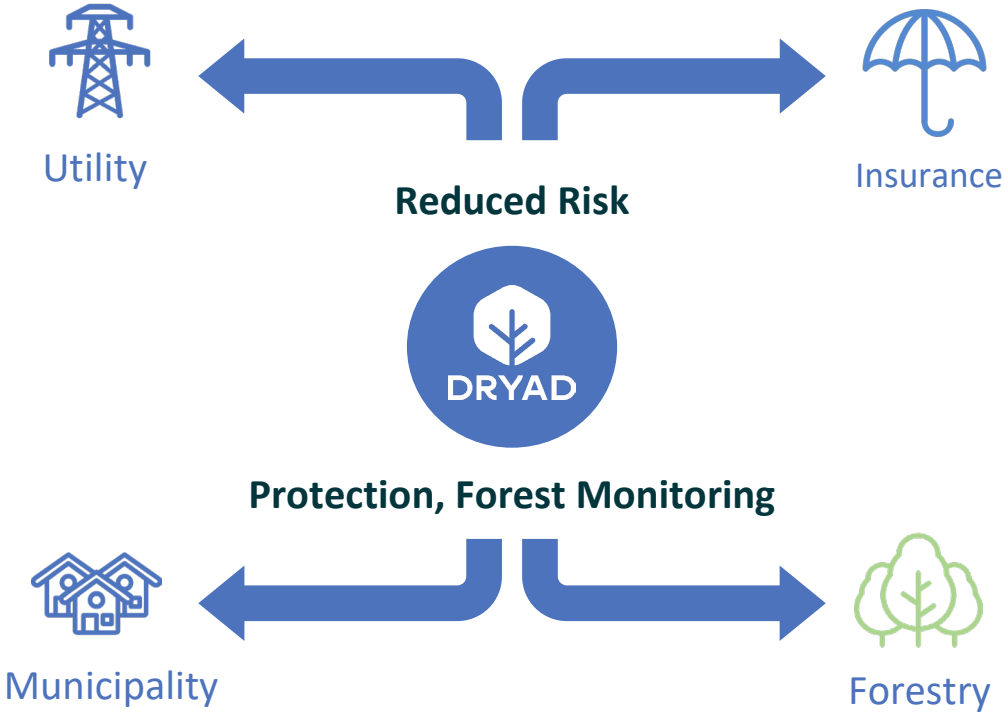
SRP: €48.00

Gateway

SRP: €371.00

Average: 0.2 sensors per hectare

15% annual service fee for maintenance and access to cloud platform



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Sustainable Development Goals

By 2030 we project the following SDG related impact:

Connecting the natural world

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Thank You

Gartner
COOL VENDOR 2021

IMPACT AWARDS
2021
ENERGY & ENVIRONMENT
AWARD WINNER

Dryad Networks GmbH

Berlin-Brandenburg | Germany

www.dryad.net

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