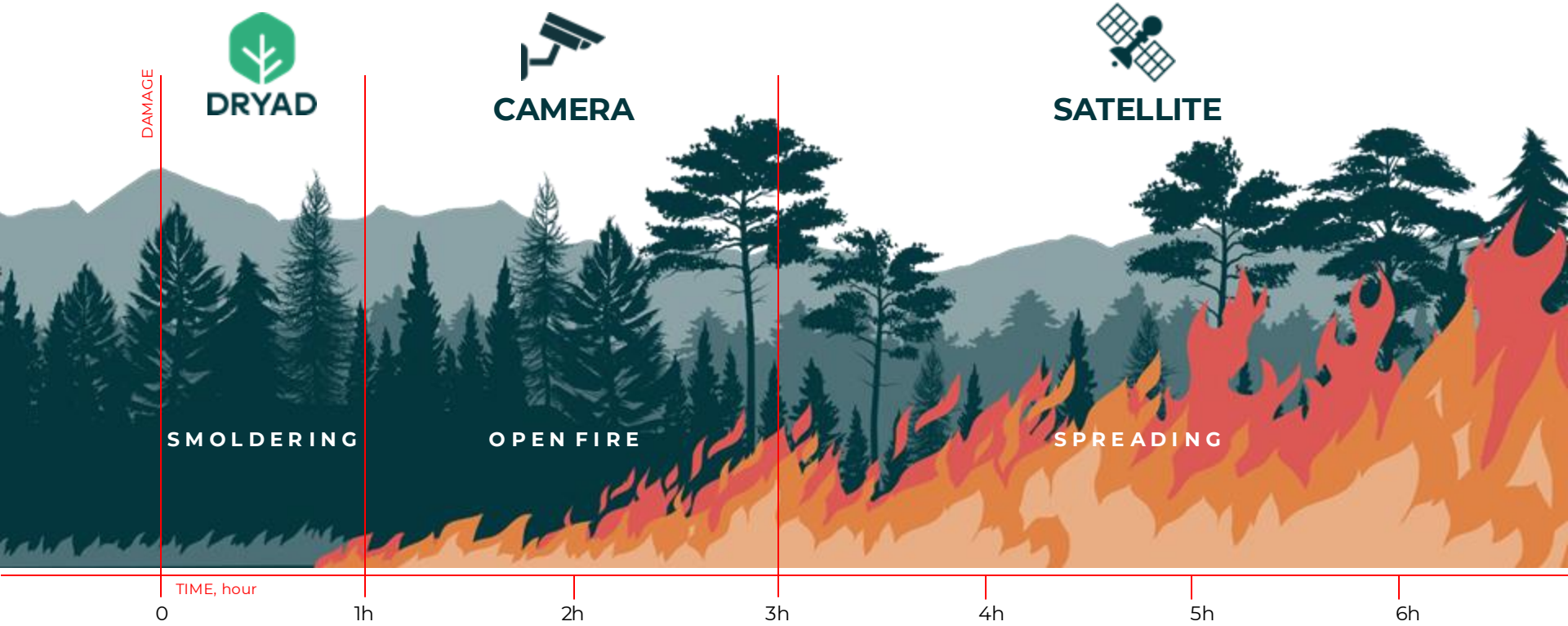
DRYAD

CONNECTING THE NATURAL WORLD

Ultra-Early Wildfire Detection

March 2025

Time is of the Essence



Unique Silvanet Sensor

Solar-powered gas sensor **‘smells’** fires within minutes from ignition

- Detects fires at smoldering phase
- Runs on solar power & supercapacitors
- Low cost, high volume deployments
- 10-15-year lifespan maintenance-free
- AI powered EDGE computing
- IP67 waterproof

Silvanet is the Internet of Trees

AI embedded in low-cost, update-ready hardware to deliver ultra early wildfire detection in a large-scale, solar-powered **network infrastructure for the forest**

Wildfire Sensor

Solar & supercaps. **Low cost** with **10-15-year** lifespan. **AI** powered EDGE computing. **IP67** waterproof

Mesh Gateway

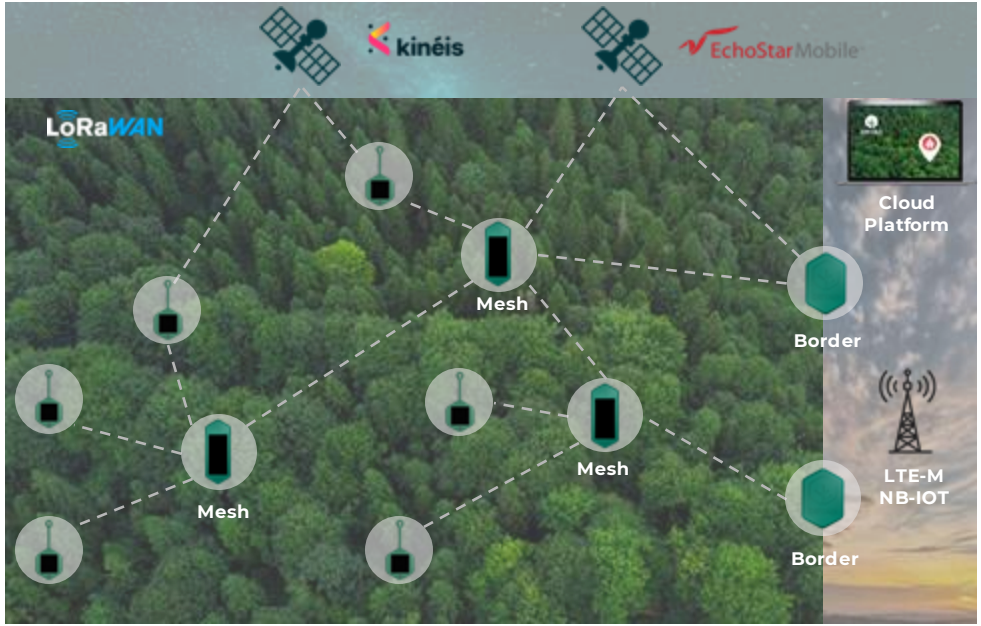
Solar & supercaps. Connect large areas with patented **LoRaWAN Mesh**

Border Gateway

Internet connectivity for **Mesh Network.** Supports **FUOTA** firmware updates

Cloud Platform

Web interface for monitoring, analytics, alerts, integration with **3rd-party systems**



Go to Market

TRACTION

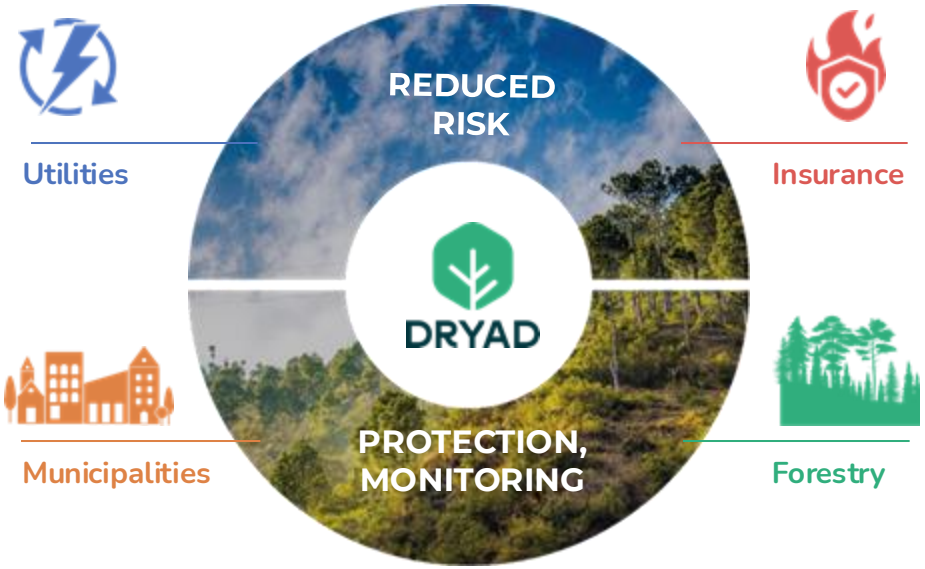
20+ active Resellers in EU, USA and Asia

vodafone STIHL BOSCH

50+ Paid-for POC / Pilots

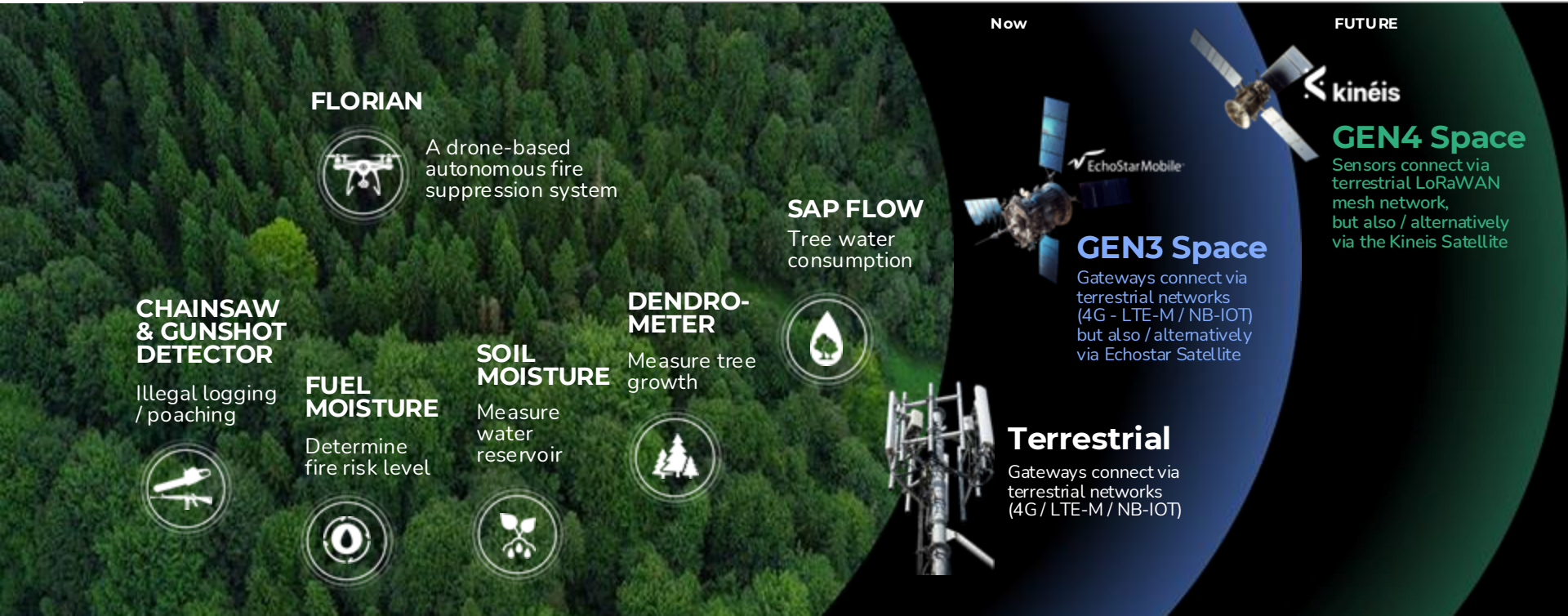
CN Pacific Gas and Electric Company CAL FIRE

20.000 sensors sold



Roadmap: H/W in development

Dryad is building a **scalable communications infrastructure for forests and nature,** for health and growth monitoring, fire risk, illegal logging and poaching detection.



Florian: Observation & Suppression (roadmap)

Complimenting Dryad's ultra-early wildfire detection

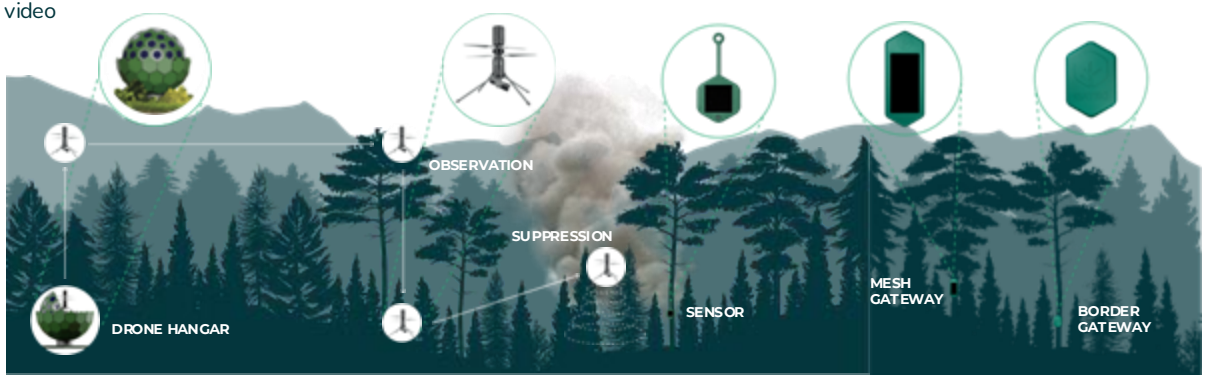
€3.8m EU Grant (ProFit Brandenburg)

Live Demo to investors and media 27th March 2025

Observation → **Suppression**

Phase 1: Solar-powered hangar and autonomous drone, detecting fire and delivering live optical and infrared video

Phase 2: Descend into forest, navigate through trees, attempt to suppress fire



Florian's unique approach

- Fully Autonomous Operation
- Acoustic Fire Suppression
- Solar-Powered Drone Hangar
- Event Cameras for Obstacle Avoidance

Team

EXPERIENCED MANAGEMENT

Carsten Brinkschulte

CEO

Serial entrepreneur (3 exits) with 20 years experience in mobile network infrastructure. Previously Movirtu, Core Network Dynamics, 7 years running AIM-listed Synchronica

Pedro Silva

CTO

15 years of experience in IoT, AI, software and hardware domains. Previously INFARM, Noa Technologies and Kinematrix

Martin Kropat

COO

20 years experience in product management and business operations. Previously Mitte, German Autolabs, Navdy, Skully, Qualcomm, Siemens

Luis Ferreira

CSO

12 years experience in sales of telecommunications and cloud services. Previously Airmo, UshowMe, Iner-Cloud, Siemens

Dr. Stephan Beyer

CFO

15 years of Venture Capital investment experience (10 exits, 2 IPOs) plus 10 years as serial founder of H/W start-ups. Previously BigRep, nFrontier, Ventegis Capital, bmp

STRONG TEAM

48 **diverse and passionate** team of 33 hardware & software **engineers**, 3 **operations**, 3 **sales & marketing**, 3 **admin**

FINANCIAL & STRATEGIC INVESTORS

eCAPITAL ENTREPRENEURIAL PARTNERS

STIHL

Brandenburg Kapital

ILB

Toba Capital

SEMTECH

Funded by the European Union

ISAR AG

TIME Ventures

TELUS Pollinator Fund for Good

LEAG

DRYAD

CONNECTING THE NATURAL WORLD

BERLIN-BRANDENBURG
GERMANY WWW.DRYAD.NET

IoT Evolution LPWAN EXCELLENCE 2023

SOLARIMPULSE EFFICIENT SOLUTION LABEL

EUROPEAN UNION
European Regional Development Fund

Gartner COOL VENDOR 2021

THANK YOU!

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