# ORORA TECHNOLOGIES

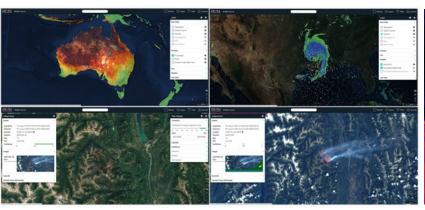
OroraTech's Global Wildfire Warning

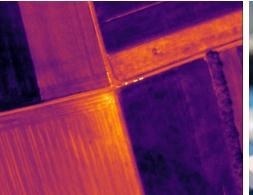
Living Planet Symposium 2022 May 27th, 2022

# Company Profile

- Founded 2018 in Munich/Germany
- Spin-off from the Technical University of Munich
- Grown to a team of over 70 international team members
- Successfully raised >7 Mio € in Seed & Series A Round











# 30% More Megafires by 2050



#### 3.0 million km<sup>2</sup>

burned area per year (~ size of India)



#### \$10 billion

insured damages per year (rising fast)



#### 6.5 billion tons

of CO<sub>2</sub> equivalent released in 2021 (17 % of total carbon emissions)



# Subscription based

# Wildfire Service

OroraTech CubeSats



Public Satellites



Ground-based cameras & IoT sensors



Feeds from public sources and social media





OroraTech AI-powered

Analytics Core





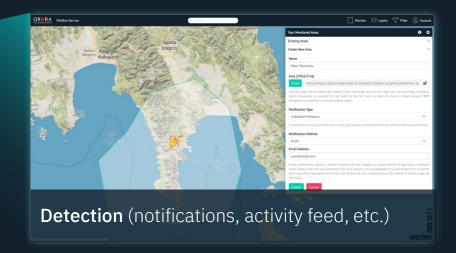
#### User Interface

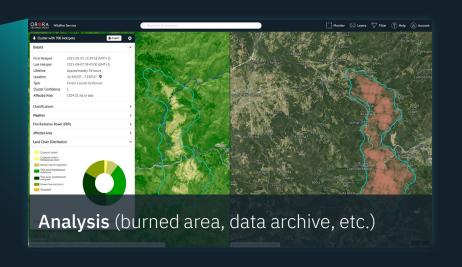


# An Innovative, Easy-To-Use, Central Platform











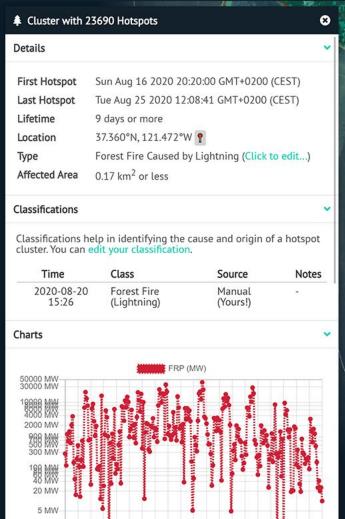


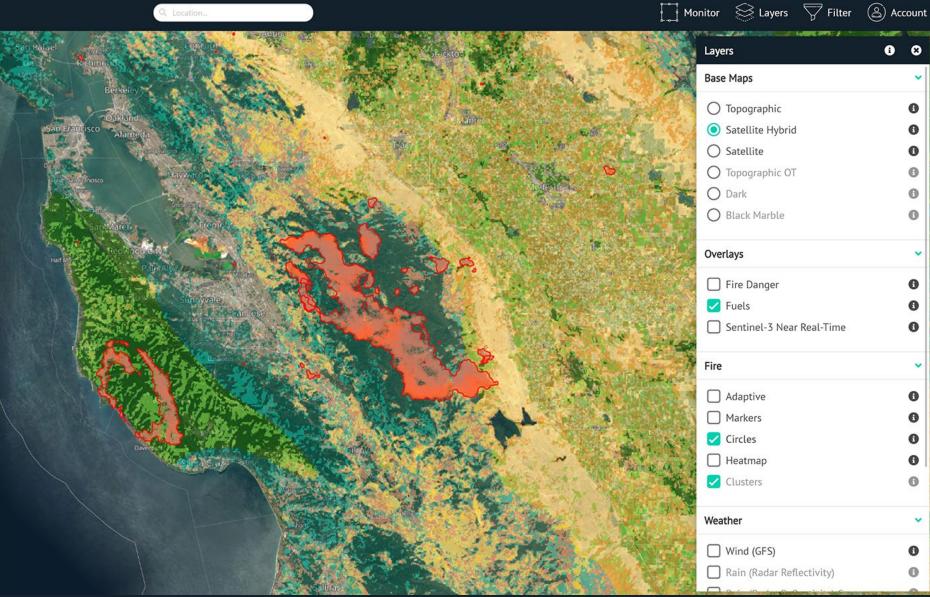






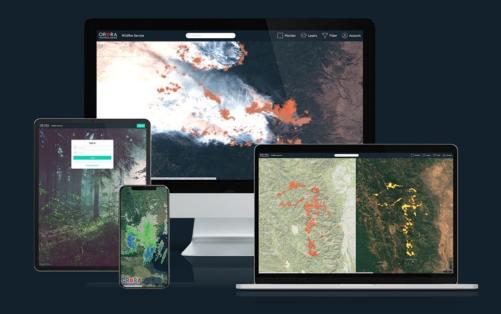






#### SaaS platform with real-time alerts

## Available for All Devices and Control Rooms



Cross-platform frontend with detailed wildfire information

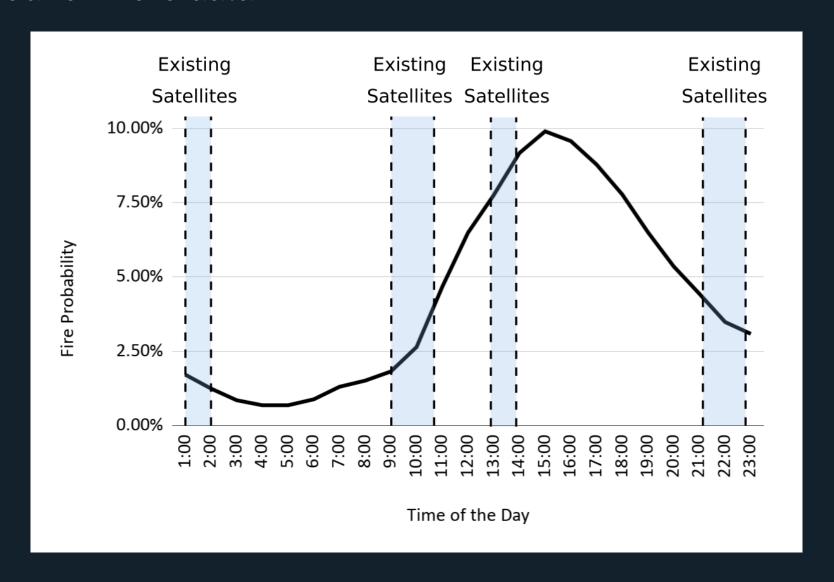


API for integration into existing customer control rooms and platforms



#### Currently available LEO thermal-infrared satellite data

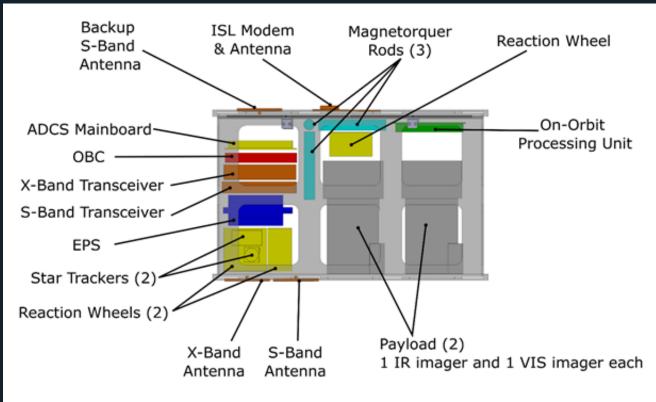
## The need for more data



#### Miniaturized Technology for Space

# OroraTech's Nanosatellite Platform



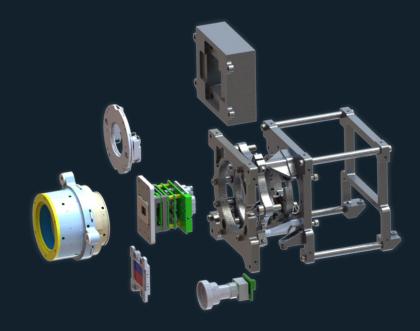


Launch in Q3/Q4 2023

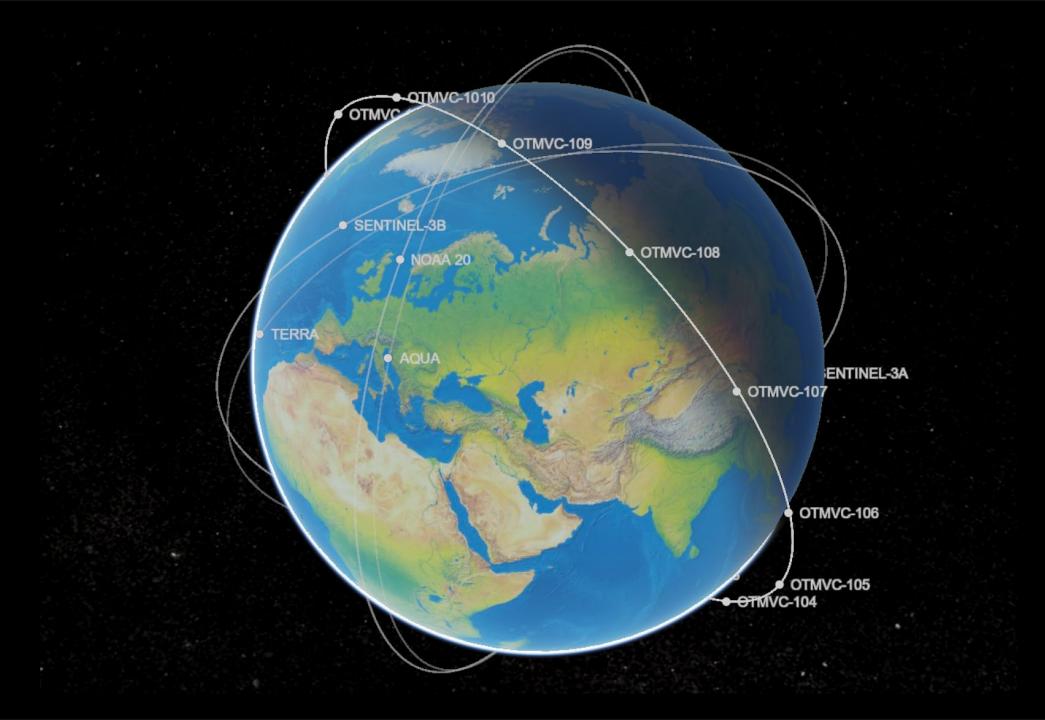
#### Miniaturized Technology for Space

## OroraTech's Thermal-Infrared Camera

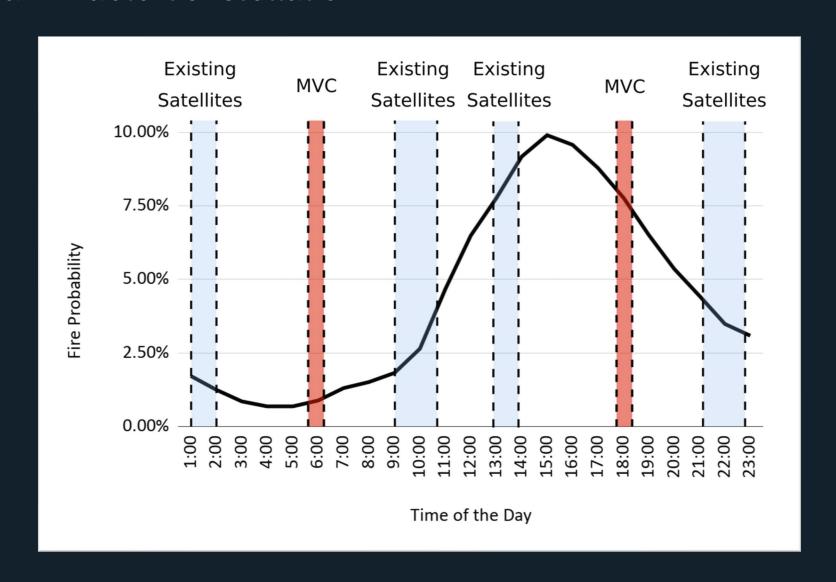
- o Miniaturized thermal-infrared sensor sensitive in MWIR and LWIR
- o 200 m ground resolution, detects fires < 10x10m
- o Swath of one camera: 200km
- o 16 x 10 x 10 cm<sup>3</sup>, <2 kg
- o Prototype launched into Space in January 2022
- o On-orbit fire detection via GPU
- o Realtime downlink of information via intersatellite modem







## Minimum Viable Constellation



NewSpace Intelligence for a Sustainable Earth

# Thank You for Your Attention! Visit our Booth in the Exhibition Area



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