

Wildfire spread prediction inside CHRIS

A zero-button prediction layer that appears directly in the CHRIS visualisation system.

MEJOR Technologies is looking for RRA network partners to add fast wildfire spread prediction to CHRIS.

The collaboration would use available drone data, CHRIS fire polygons, live visualisation layers, and relevant environmental inputs to predict likely fire spread while teams are operating.

The intended result is a zero-button solution inside CHRIS: no separate modelling workflow, just an operational prediction layer that appears directly in the map view when sufficient data is available.

Looking for

- Research partners for rapid fire-spread modelling and validation.
- Funding partners for development, integration, and field trials.
- First responders interested in pilot use during wildfire exercises or controlled deployments.

Pilot role

- Define what prediction overlays are useful in real incident command.
- Provide pilot scenarios, exercises, or controlled-fire validation opportunities.
- Assess whether CHRIS predictions improve situational awareness and tactical decisions.

Concept

- Use CHRIS-detected fire perimeters and drone observations as live model inputs.
- Generate short-horizon spread predictions as map overlays inside CHRIS.
- Show likely direction, affected zones, and time-stepped perimeter development without adding operator workload.

Detect

CHRIS identifies fire perimeters and relevant live map layers.

Predict

A fast model estimates likely spread over the next operational window.

Visualise

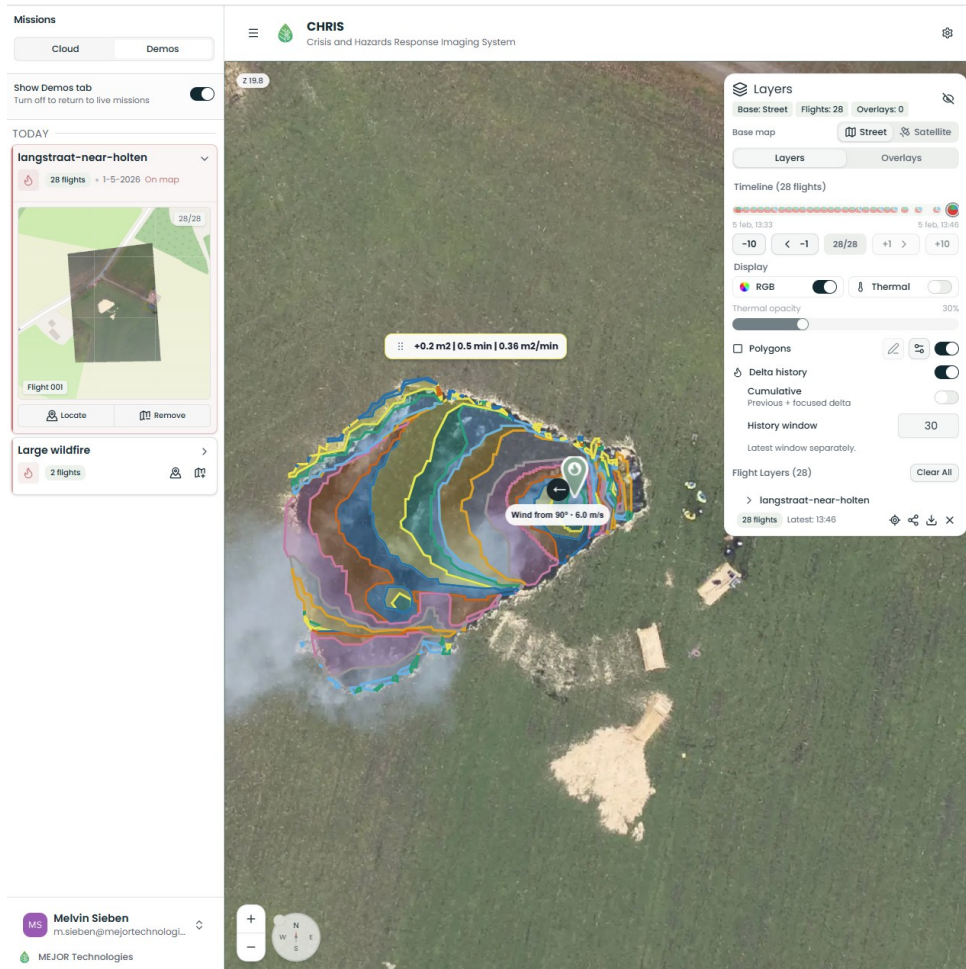
Prediction zones appear directly in the CHRIS map interface.

Contact

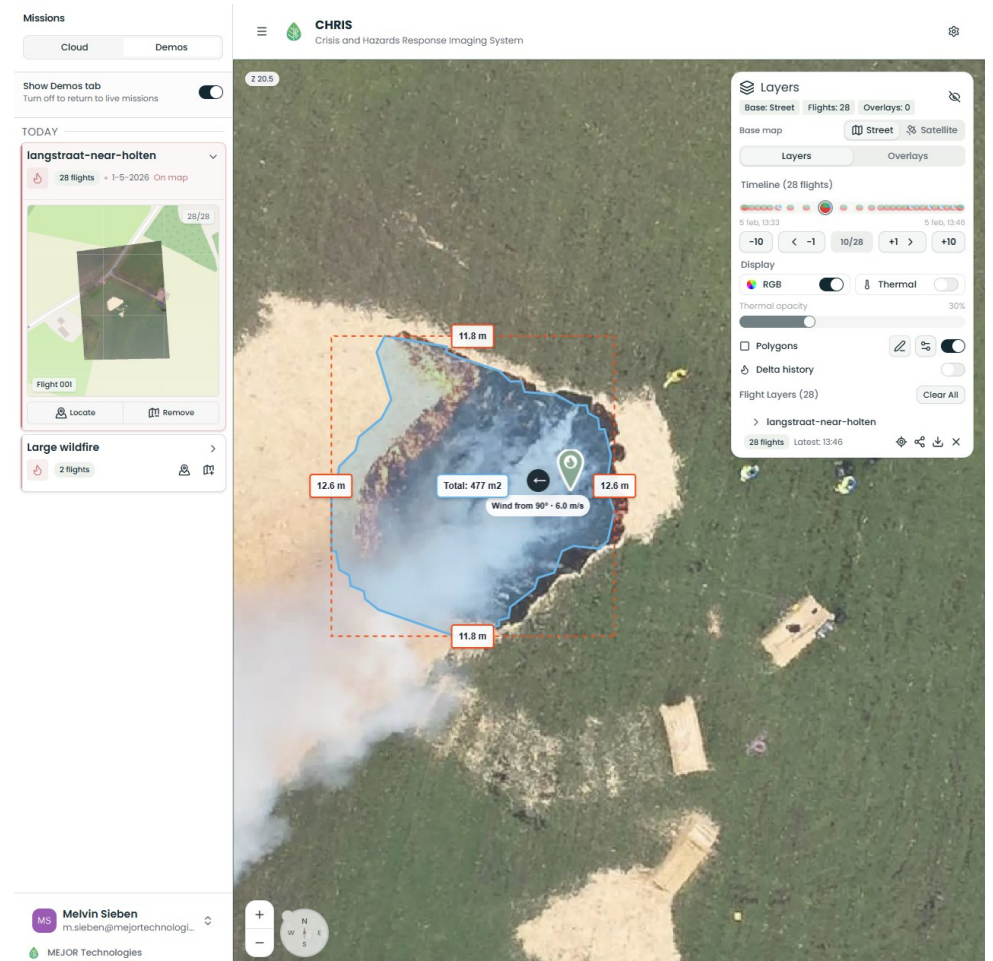
- Melvin Sieben, CEO MEJOR Technologies
- melvin@mejortechnologies.com

From detected perimeter to prediction layer

CHRIS already captures perimeter development and live fire context. The proposed collaboration would turn those layers into short-horizon spread prediction overlays.



Historical perimeter layers show how spread can be captured over time.



Detected affected area and measurement overlay.