

SITACO

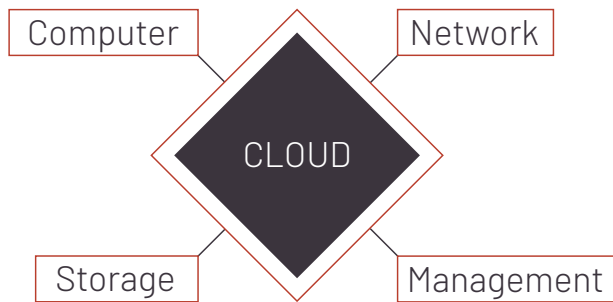
SITUATION TASKING COMMUNICATION

Web-based cloud application for supporting & coordinating
disaster response operations



SITACO

SITUATION TASKING COMMUNICATION



OVERVIEW

SITACO is a cloud-based application which integrates data from drones and utilises secure LTE communication and other wireless technology to provide real-time situational awareness for supporting emergency response teams operationally by emergency response units during combined rescue operations.

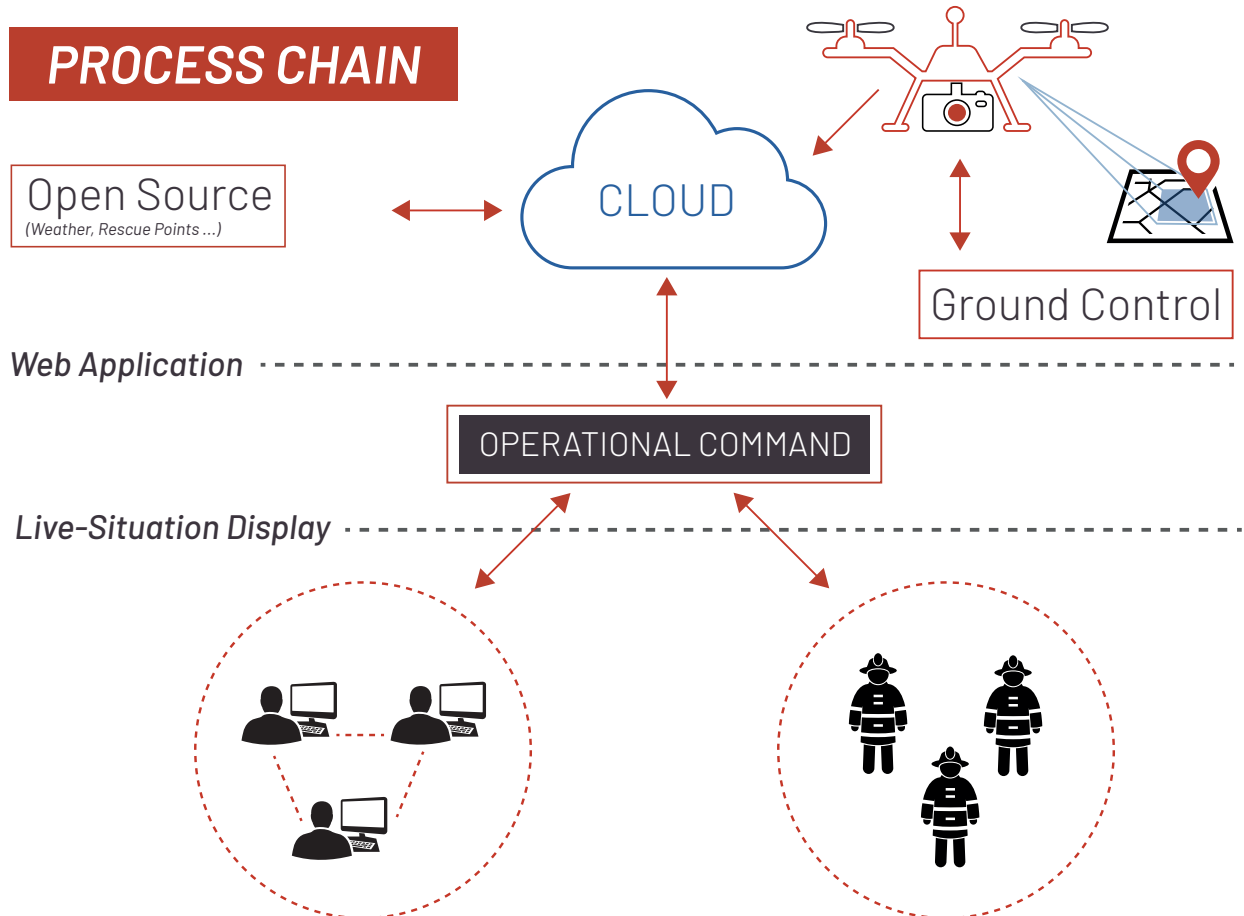
USER BENEFITS

- Supports planning, tasking & group coordination of emergency units during disaster response missions
- Cloud technology provides all actors with a real-time accurate situation picture of crisis area with symbology and text for rapid, coordinated decision-making

KEY FEATURES

- Applies processed imagery and video-streamed data from drone-based detection sensors
- Allows processing of primary data and enhancement using contextualized information and graphics

PROCESS CHAIN



KEY FEATURES

The SITACO software modules are optimized for the professional leadership support process, offering a selection of functionalities which can be modified or configured according to customer needs:

- ▄▄▄ Collection planning and tasking
- ▄▄▄ Mission execution and monitoring
- ▄▄▄ Ground control of sensors
- ▄▄▄ Command and control of task forces
- ▄▄▄ Collaboration in managing user requests
- ▄▄▄ Real Time exploitation and analysis of data
- ▄▄▄ Live situation display
- ▄▄▄ Reporting and messaging in standard formats

SITUATIONAL AWARENESS

- ▄▄▄ Real time ingestion of image data, video streams, data and tracking information
- ▄▄▄ Marker setting in live video stream
- ▄▄▄ Standing queries and configurable alert functions
- ▄▄▄ User selected display of multiple information feeds to provide user-defined situation awareness
 - *Rescue points*
 - *Live tracking (vehicles, persons, equipment, patients)*
 - *Live air traffic situation*
 - *Weather forecast*
 - *Rescue points and fire hydrants or other open data*
 - *Open map interface*



USER BENEFITS

Designed as a modular solution, SITACO uses adaptable and refined workflows which can be applied for different roles at various decision-making levels.

- ▄▄▄ Role-based access control (RBAC)
 - *Chief of Operations- Operations Command Centre*
 - *Pilot- Combined Emergency Services Task Force*
- ▄▄▄ Pre-configured configuration for operations
- ▄▄▄ Transfer of permissions from command centre to chief of operations
- ▄▄▄ IT-Security and DSGVO compliant

WEB-BASED CLOUD APPLICATION

In order to carry out a successful mission SITACO offers a versatile situation creation function. The situation display consists of the different information layers and a geographic editor to create overlays and add situation symbols.

The following features can be added, viewed and provided to both dispatchers and emergency responders:

- ▄▄▄ Tactical signs as DV 102
- ▄▄▄ Vector primitives and geometries
- ▄▄▄ Mission, image, video and product management
- ▄▄▄ 3D measurement
- ▄▄▄ Automatic creation of image panoramas and 3D models
- ▄▄▄ Web based application as responsive design





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