

CAPABILITIES

- **More efficient data analysis** at the edge providing a distributing surveillance system
- Only analytics outputs and some functions run on **cloud**
- **Better utilization of resources** at the edge of the network
- **Higher security** features
- **Less storage** in the cloud
- **Less data transfer** to the cloud
- **Higher trust and privacy** having less processing in the cloud

OPPORTUNITIES / CHALLENGES

- **Video analysis** at the edge of the network is part of new concepts for **cloud computing** and increases company profile.
- **Cost savings** by deploying **efficient processing** at the edge especially for video.
- **Cost efficiency**- use of **legacy HW**
- **UAV integration** under the same framework

Surveillance systems that capture video and audio in enterprise facilities and public places produce massive amounts of data while operating at a 24/7 mode. There is an increasing need to process, on the fly, such huge video and audio data streams to enable a quick summary of “interesting” events that are happening during a specified time frame in a particular location

Through PrEstoCloud Project, we aim to **enable a novel and adaptive architecture** that builds on top of a **distributed computing** paradigm and is **ideal for smart surveillance systems** that can utilize **resources at cloud, fog and edge.**