

# MAXAR

Next generation EO satellites and Direct Access: challenges and opportunities

Pascal Schichor European Space Imaging lain MacInnes, Maxar

# About European Space Imaging





- Munich based Company, established in 2002
- SME- around 40 employees
- WorldView Global Alliance since 2009
- Local Tasking of MAXARS optical satellite fleet





# **Current VHR Optical Satellite Missions**



WORLDVIEW-3 31 cm GSD 680,000km<sup>2</sup>

per day

WORLDVIEW-2 46 cm GSD 1,000,000km<sup>2</sup> per day **WORLDVIEW-1** 

50 cm GSD +1,000,000km² per day



GEOEYE-1 41 cm GSD 350,000km<sup>2</sup> per day DIRECT ACCESS with the European Space Imaging

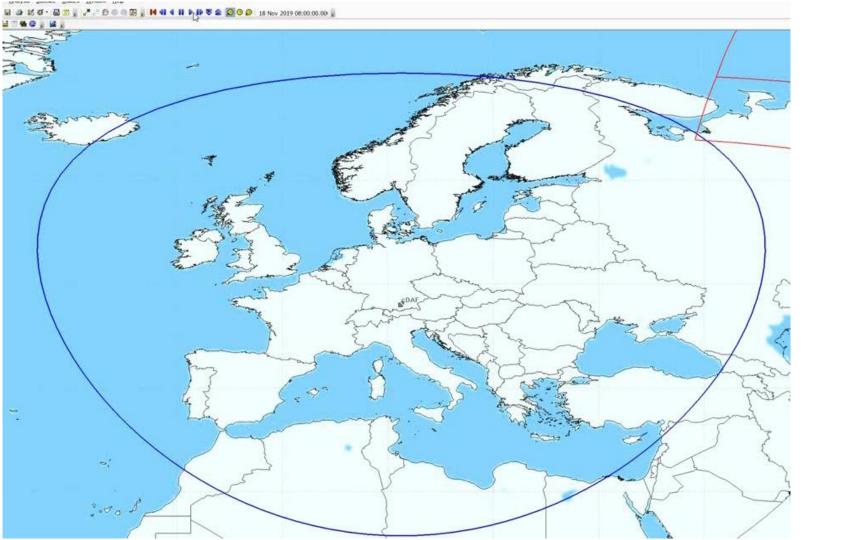
### **GROUND STATION**

#### Local Tasking of:

- WorldView-1
- WorldView-2
- WorldView-3
- VGTasking for GeoEye

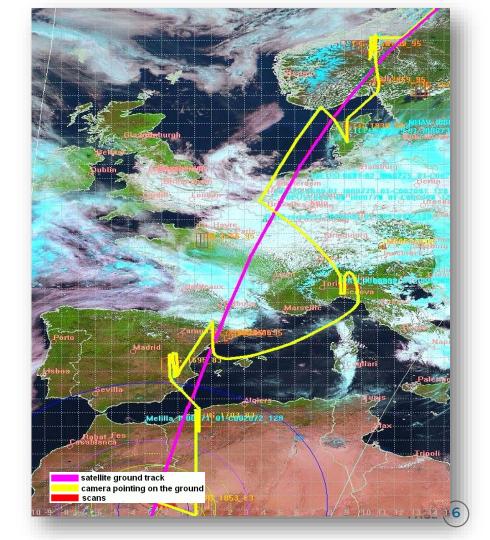






### Local Tasking

# Shooting in between the clouds





## GROUND STATION

# LOCAL TASKING BENEFITS

The ground station allows greater flexibility for our customers and includes the following benefits:





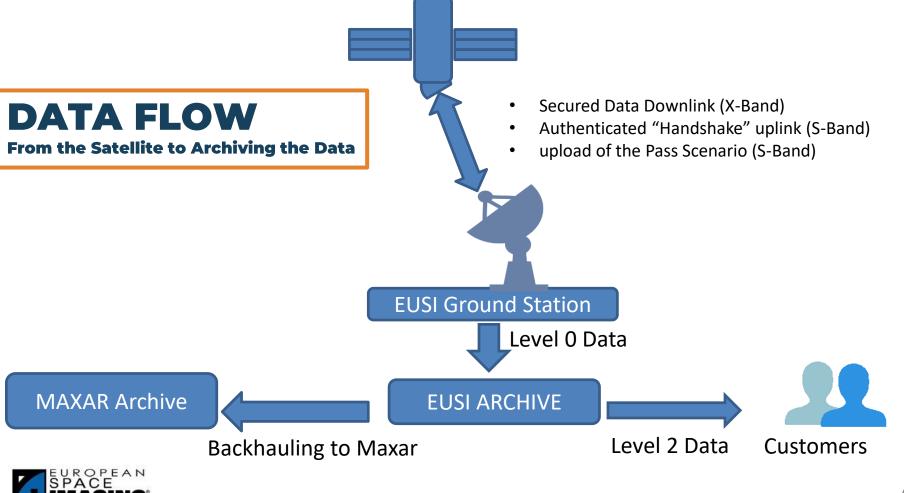
Maximizing collection yield (# of targets)



Minimizing cloud cover and maximizing area of collection









### **ARCHIVING SYSTEM**



- Data stored from 2002 up to date:
- 160 TB available
- 71% in use

-> All data stored in Level 0 Data format

RATIO Level 0 VS Level 2: 1:3-1:5 (depending on the Band combination)





### **Current and Future VHR Optical Satellite Missions**



