



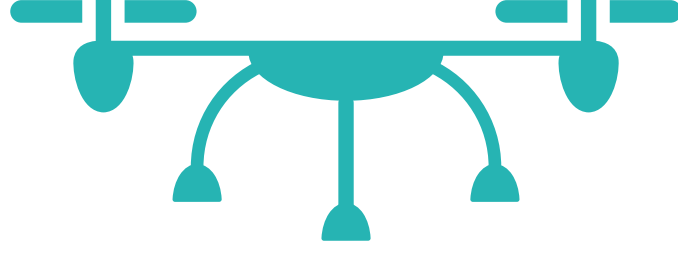
# Unlimited POSSIBILITIES

## INMARSAT VELARIS

THE UAV CONNECTIVITY SOLUTION

### THE EXCITING POTENTIAL FOR UAVS

UAV industry forecasts suggest exponential growth throughout the next decade



The commercial UAV market is projected to increase from **\$2.32 billion** in 2021 to **\$11.29 billion** in 2028, marking a compound annual **growth rate of 25.39%**

#### There is a fast emerging world of unlimited possibilities for commercial and civil government UAV applications:

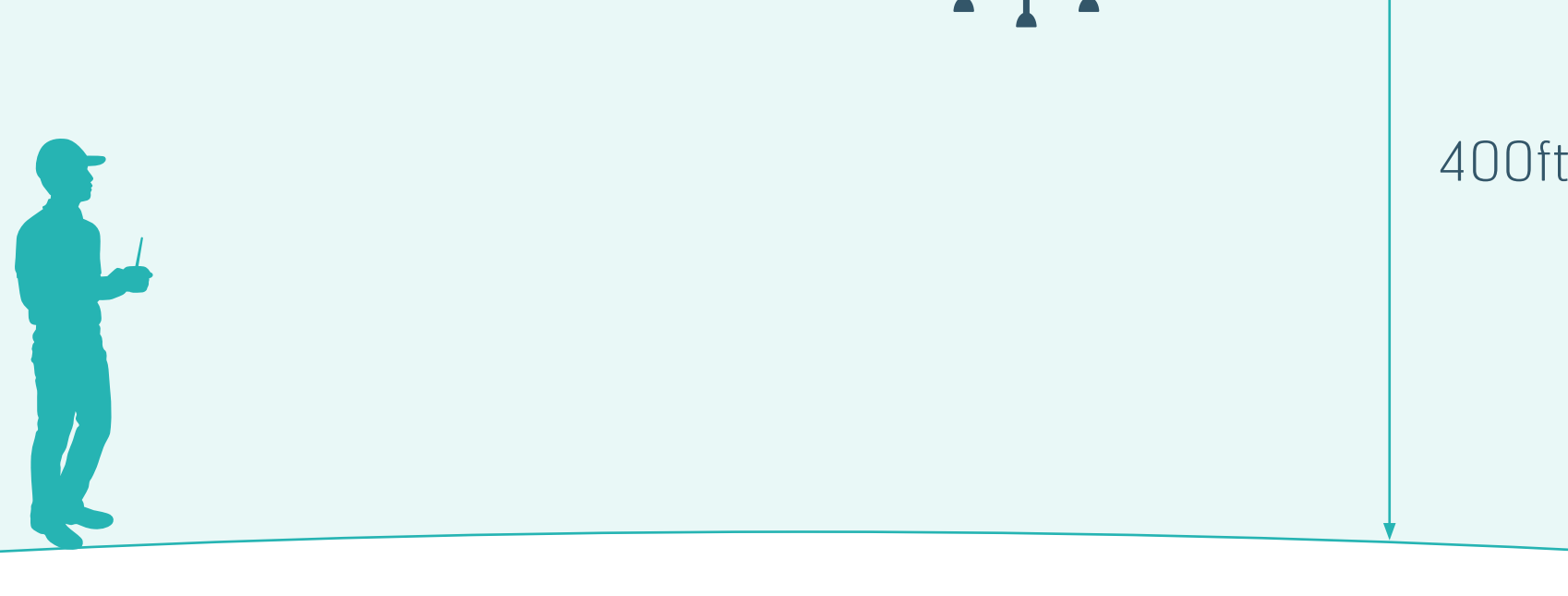
- Driving **sustainable aviation** with green electric vehicle delivery of cargo and urban air taxis
- Delivering **medical aid to remote areas** and assisting other 'blue light' services
- Generating **climate data, monitoring borders, and helping fire authorities fight forest and brush fires** and assess damage to assets remotely
- Surveying remote lighthouses and channel marker buoys **ensuring safe passage for seafarers and maritime vessels**
- Conducting remote asset inspections, automating processes, **reducing human risk and savings costs**



### THE CHALLENGE FACING THE WORLD OF UAVS

The biggest barrier to conducting autonomous UAV operations at scale is not a matter of technology, but one of regulation and safety

#### Commercial Airspace



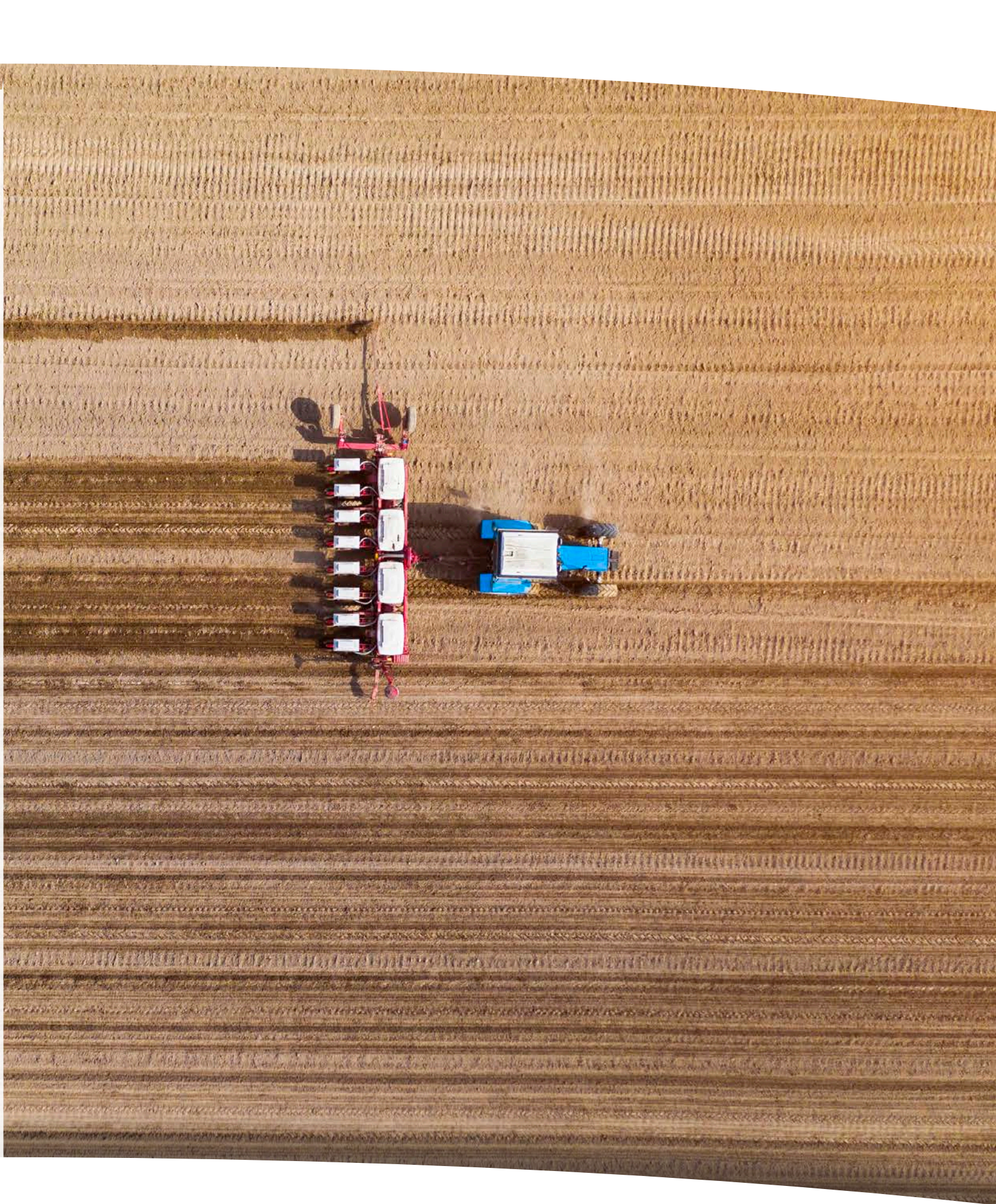
- All UAVs have to be **visible to the pilot** (Visual Line of Sight – VLOS)
- The one-pilot-to-one-UAV model has restrictions and **prevents economic scalability**
- Currently, UAVs **cannot be flown above 400 ft or operate in commercial airspace**, as it's not deemed safe to do
- To **monitor and safely integrate** UAVs with commercial air traffic operators, allowing for UAV fleets to cover long distances, **a reliable and trusted** Beyond Visual Line of Sight (BVLOS) solution and operator is required

### INMARSAT VELARIS: THE CATALYST FOR UNLIMITED POSSIBILITIES

Inmarsat Velaris is the connectivity solution for commercial Unmanned Aerial Vehicles (UAVs). It builds on Inmarsat's 30 years' experience as the leading satellite communications provider to the aviation industry:



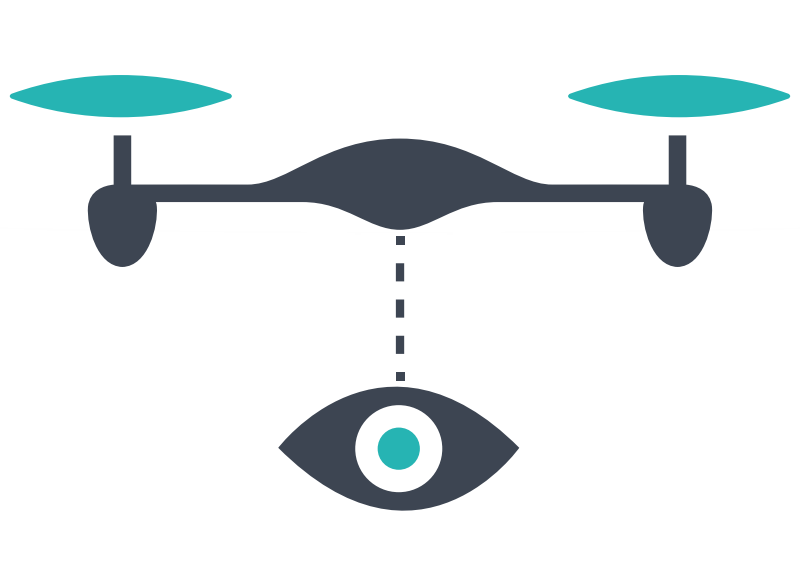
- The backbone of Inmarsat Velaris is our **robust and reliable network**, ELERA - the same network we use to bring mission-critical safety communications to airlines and military users worldwide
- Inmarsat stands at the center of the commercial UAV ecosystem, with the capacity to work with a wide variety of partners to **deliver optimal solutions** for both small and large unmanned operations
- Inmarsat is an **active participant** in shaping and supporting regulatory advancements with acknowledged expertise across the aviation industry. By leveraging this experience, we are **uniquely positioned** to help guide and inform the infrastructure to support the growth of a **safe, efficient and sustainable** UAV industry



Inmarsat Velaris unlocks game-changing value for UAV operators, and Unlimited Possibilities for the world, by:



Allowing one pilot to operate multiple UAVS remotely at scale



Enabling Beyond Visual Line of Sight (BVLOS) operations to confidently send UAV fleets beyond the horizon, with the assurance of safety



Creating a connectivity ecosystem for the world of commercial UAVs

FOR MORE INFORMATION PLEASE VISIT [WWW.INMARSAT.COM/UAU](http://WWW.INMARSAT.COM/UAU)