

A short, solid orange horizontal line.

# SUSTAINABILITY ACTIVITIES AT OHV

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# HUMANITY FACES MANY CHALLENGES

SPACE CAN PROVIDE SOLUTIONS

## Life on Earth



- Climate change
- GHG emissions
- Deforestation
- Increasing and more severe natural disasters

## Globalisation



- Urbanisation
- Growing world population
- Food security

## Security



- European sovereignty
- Cybersecurity for businesses & infrastructure
- Communication & data transmission
- Managing threats

## Digitalisation



- Big data & artificial intelligence
- Connectivity
- Mobility

# OHB SE SUSTAINABILITY PROGRAMME



FOCUS AREA	1 INNOVATIVE SOLUTIONS TO MITIGATE CLIMATE CHANGE	2 ENVIRONMENTAL CONCEPT	3 DIVERSITY AND EQUAL OPPORTUNITIES	4 TALENT ACQUISITION AND RETENTION	5 GOVERNANCE
2030 AMBITION	Increase positive contribution of our products to save the planet	Significantly reduce our footprint	Foster diversity and equal opportunity	Increase OHB's attractiveness	Ensure full compliance with all requirements for ethical business behaviour
2023 PROJECTS	1A_BASE PLAN: EO PROJECTS  1B_BASE PLAN: LCA  1C_BASE PLAN: INNOVATIVE SOLUTIONS	2A_BASE PLAN: OWN OPS  2B_BASE PLAN: SUPPLY CHAIN  2C_CERTIFICATIONS: ECOVADIS, ISO 14001  2D_MEASURES TO REDUCE OUR CARBON FOOTPRINT	3/4A_BASE PLAN: HR		5A_COMPLIANCE SYSTEM  5B_LkSG  5C_RISK MANAGEMENT  5D_PRODUCT COMPLIANCE
COMMUNICATION					
REPORTING					
ORGANISATION					

# SPACE DEBRIS

RESPONSIBLE USE OF OUTER SPACE



- ESA's Space Debris Office maintains extensive debris statistics:

36,500 objects larger than 10 cm

1 million objects in size 1-10 cm

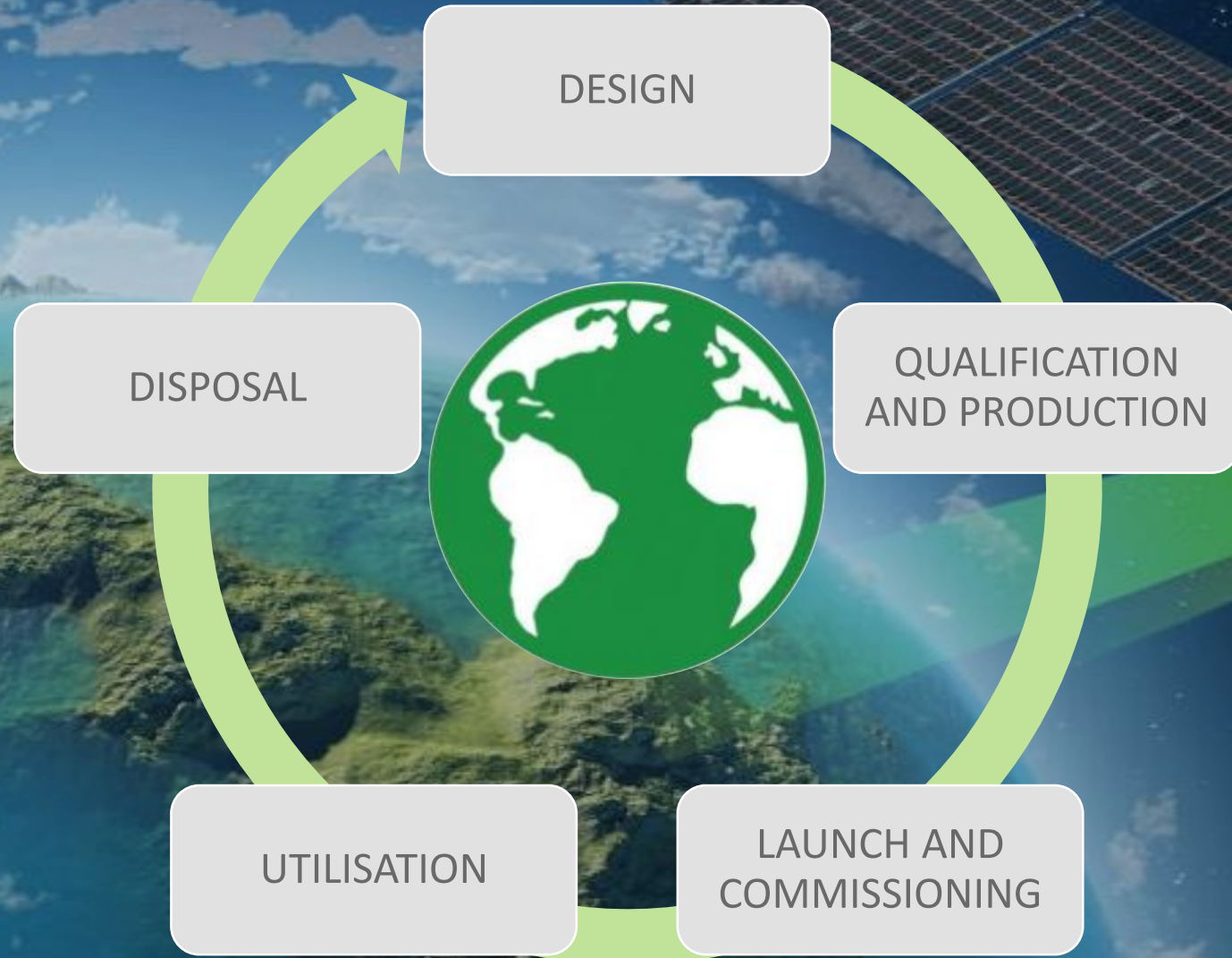
130 million objects smaller than 1 cm

- Some 9,000 satellites launched since Sputnik in 1957; 5,000 satellites operational today
- Some 580 astronauts have been in space (incl. 244 aboard ISS)

What has to be expected for the future?

# LIFE CYCLE ASSESSMENT

ASSESSMENT OF PRODUCT FOOTPRINT



# SPACE SOLUTIONS CONTRIBUTE TO UN SUSTAINABLE DEVELOPMENT GOALS AND EUROPEAN GREEN DEAL



## GREEN EARTH

2

NO HUNGER



13

PROTECT THE PLANET



15

LIFE ON LAND



- Reduction of desertification
- Creation of arable land
- Creation of CO<sub>2</sub> sinks across the globe

## HYDROGEN

7

AFFORDABLE AND CLEAN ENERGY



9

INNOVATION AND INFRASTRUCTURE



- Decarbonisation of mobility through hydrogen-powered ships, aircraft, drones
- Use of hydrogen knowledge gained from manufacturing of rocket tanks



# CONCLUSIONS

TOWARDS A SUSTAINABLE FUTURE IN SPACE

The background of the slide is a composite image. The top right shows a satellite with large solar panels in the dark void of space. The bottom left shows a view of Earth from space, with green landmasses and blue oceans. A dark teal rectangular box is centered over the image, containing white text.

**“We utilise space to find answers to the complex questions of our time “**