

Gateway Earth: How to Build a Space Gateway?

Matjaz Vidmar

Policy Lead

Gateway Earth Development Group

Royal Observatory Edinburgh

UK Space Conference 2017

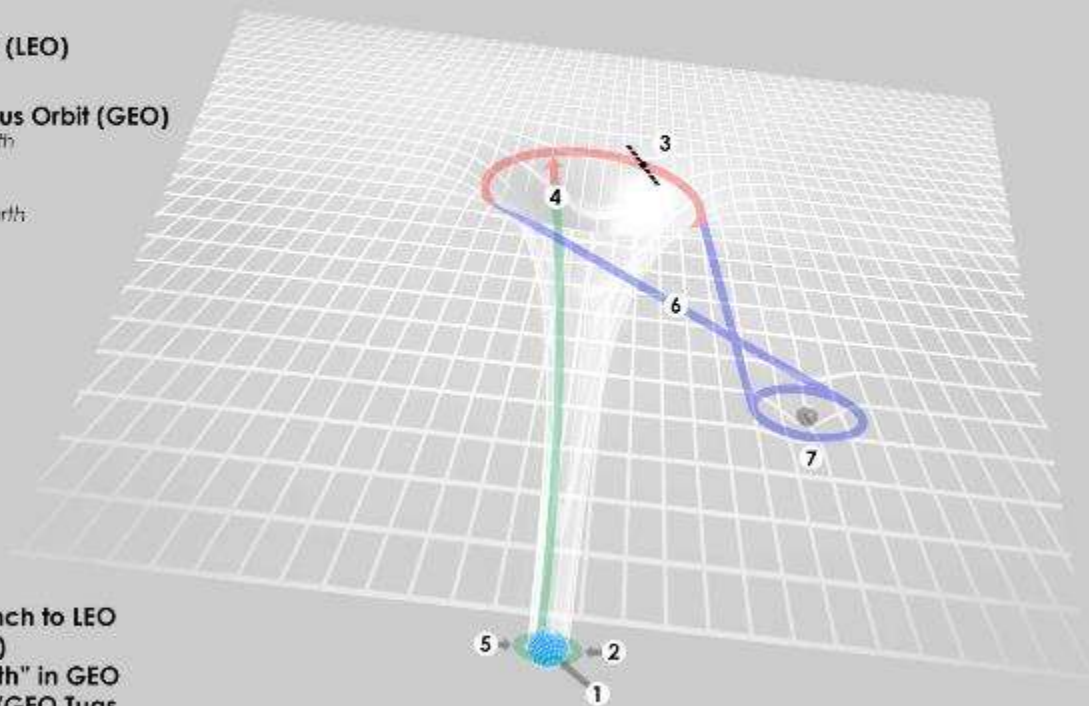
Manchester, 30th May 2017



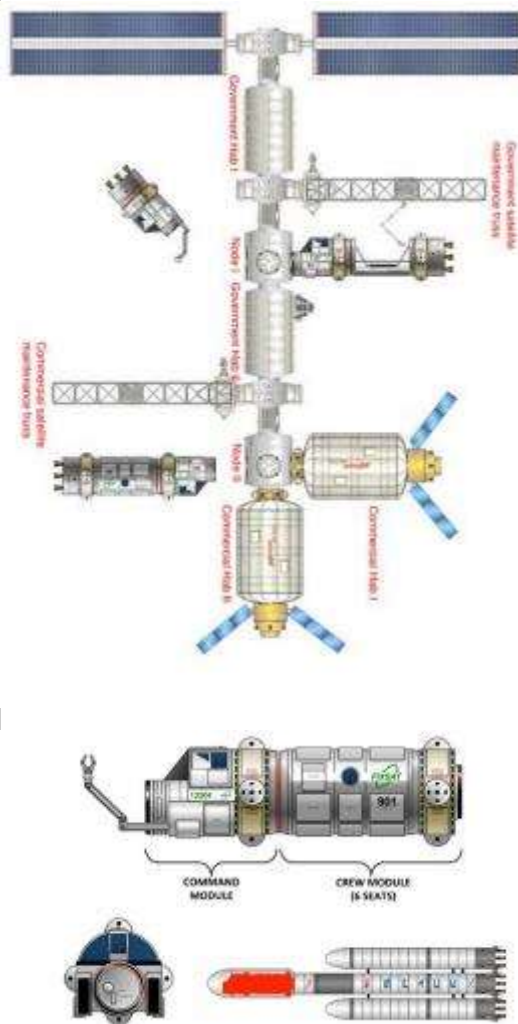


Earth's Gravity Well and the Near-Earth Neighborhood with "Gateway Earth" combined space hotel and space station in GEO

- Low Earth Orbit (LEO)**
360 km from Earth
- Geosynchronous Orbit (GEO)**
36,000 km from Earth
- Moon**
400,000 km from Earth



- 1 Reusable Launch to LEO
- 2 LEO Node (ISS)
- 3 "Gateway Earth" in GEO
- 4 Reusable LEO/GEO Tugs
- 5 Refueling Stations in LEO
- 6 Interplanetary Vehicle (3D Manufacturing in GEO)
- 7 Lunar or Planetary Lander and ISRU





*Vision for the future
Peace – Cooperation – Innovation
Public & Private*



JOIN US!

www.gatewayearth.space

@GatewayEarth

www.roe.ac.uk/~vidmar

@vidmarmatjaz

