

World's largest amateur space rocket

A group of Danish rocketeers are to launch a volunteer-built one-man rocket – with a crash test dummy – 30km into the sky. Eventually the Copenhagen Suborbitals team hopes to launch a real person over 100km into space if initial tests are successful

Tycho Brahe-1:
Micro spacecraft carries one passenger in half-seated position

Seat: Designed to minimise gravitational pull on passenger's spine

See-through dome: Made of polymer plexiglass

100km
60 miles

Heat-1X booster:
Powered by solid polyurethane propellant with liquid oxygen

3. Zero-gravity parabola



MISSION PROFILE

1. Launch from floating platform

2. Booster jettison

4. Atmospheric re-entry

5. Parachute descent to splashdown in sea

Earth

100km

Space

Rocket launch zone

DENMARK

Baltic Sea