ZERO GRAVITY TOWER

Drop Tower – zero gravity simulation device

Imagine a place where gravity disappears for a few seconds – a unique opportunity to test space technology and conduct scientific experiments without leaving Earth. This is the first Czech “drop tower” that provides up to 5 seconds of real microgravity. It is one of the few similar facilities in the world that makes microgravity research affordable, repeatable and easy to access.

Who is it for? Education: inspiring students through hands-on science experiments, Research & **Development (R&D): advancing** the science and testing of space hardware, Aerospace & Pharma: **supporting innovation in technology**

Unique Selling Points:

- Low cost experiments.
- High frequency of experiments.
- Capsule modularity.
- Easy adjustment of conditions and experimental parameters.
- Low risk of damage to expensive equipment.

S1/2025 B2B B2E

zgtower.cz

Product

Drop Tower - zero gravity simulation device

Technology readiness

Development

Proof of concept

▶ Prototype

First implementation

Extensive implementation