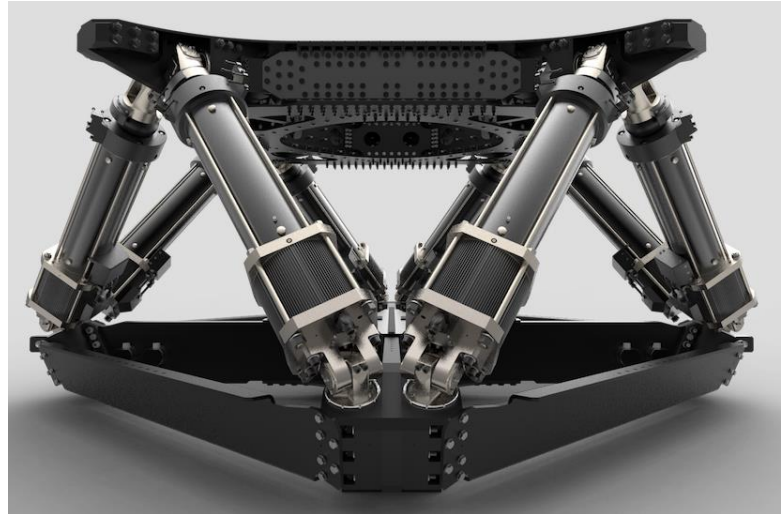


**NEW eMove eM6-A8 | Overdetermined motion system**

The **eMove eM6-A8** is a synergistic six degrees of freedom fully electric motion system.

It is designed as an Octopod, using 8 actuators in parallel, which offers key advantages in terms of static and dynamic performance and safety.

Overdetermined motion system for high frequency and safety critical simulation and testing applications.



*Figure 1: possible design of an eM6-A8 eMove motion system*

**Widespread, Flexible Use**

Typical applications are vehicle simulators for the automotive industries, entertainment rides, research and development platforms and test beds.

**Innovation in Motion**

Smart redundant multi-DOF electric motion solution, patented design.

- Highest safety level because of redundant actuator design
- Significantly increased machine stiffness thanks to octopod design
- Hybrid velocity/torque control technology significantly improves the control bandwidth (>20 Hz in all directions)
- Cost efficient, improved in maintainability, high MTBF
- Robust and certified mechanics, up to 10 years warranty
- Special (patented) eMove RT Controller to handle the force feight
- Can be TUV certified for entertainment use

**Better Performance**

- Low system height
- High frequency range up to 25Hz/ 30 Hz in all directions because of a very stiff system design
- Accelerations up to 4 g
- Velocities up to 1 m/s