

R&D Program

Electrical Components for Satellite



Sinfonia offers electrical components that applied our original motor technologies and controlling technology grown from various industrial vehicle developments/ manufacturing to deal with high level requirements.

Image is for illustration purposes.

3D Freedom actuator

Innovative solutions with flexible movements.



Seismic isolation

Active mass damper

Vibration reduction is possible by offsetting vehicle vibration with original high performance actuator for fuel consumption countermeasure such as vehicle weight reduction.



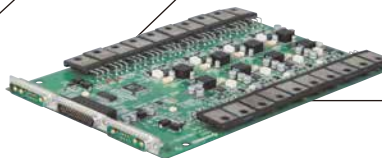
HTV Circulation Fan

Adopting low speed motor and dual-stage blade to stabilize air pressure and maintain circulation in HTV (H-II transfer vehicle) with minimum acoustic noise.



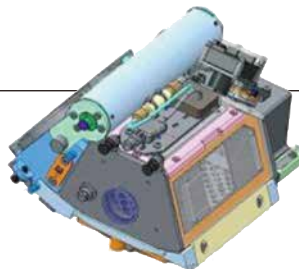
SSPC

Suppress inrush current by soft start function. Integrated distribution panel can be made by multiple SSPC boards. Flight proven on military aircraft, also can be used on space applications.



Control Systems for Mouse Habitat Unit

- World's first artificial gravity comparison experiment in the ISS.
- Experiment to keep 12 mice in individual unit for 30 days.
- SINFONIA's control systems for feeding cartridge, water supply, fan for excretion cleaning, and camera to reduce workload to once-a-week-care by astronauts.



JEM Lab Pump Motor



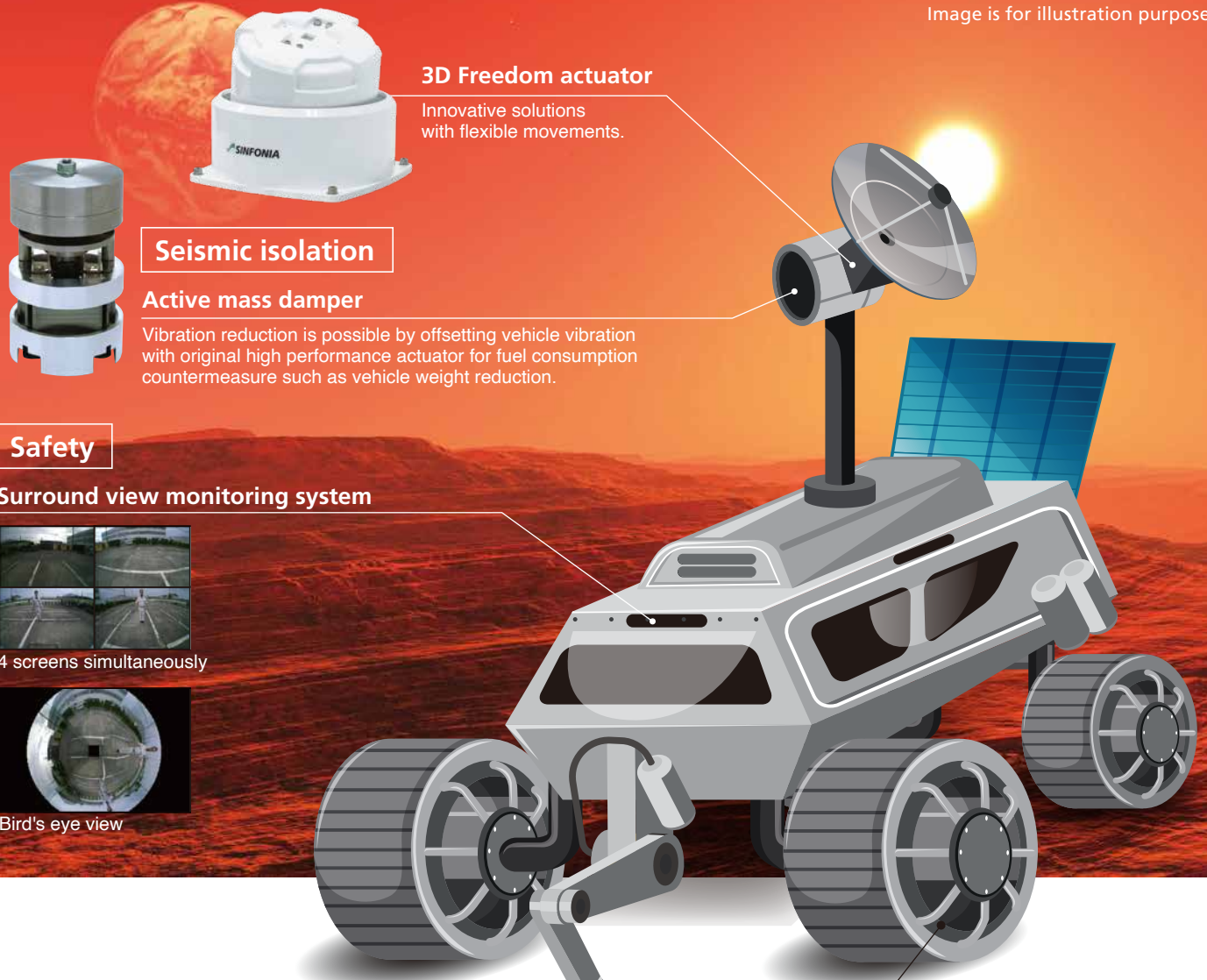
R&D Program

Electrical Components for Rover



Sinfonia offers electrical components that applied our original motor technologies and controlling technology grown from various industrial vehicle developments/ manufacturing to deal with high level requirements.

Image is for illustration purposes.



3D Freedom actuator

Innovative solutions with flexible movements.

Seismic isolation

Active mass damper

Vibration reduction is possible by offsetting vehicle vibration with original high performance actuator for fuel consumption countermeasure such as vehicle weight reduction.

Safety

Surround view monitoring system

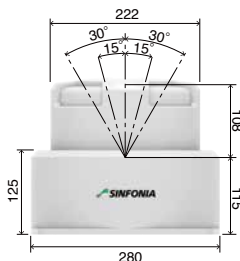


4 screens simultaneously



Bird's eye view

3D Freedom actuator



In-wheel Motor

Adopting Direct-Drive method, high efficient drive with no backlash is realized. Also applying cultivated direct drive technology, high torque motor yet compact size has realized.



2-axis Inverter

SINFONIA TECHNOLOGY CO., LTD. continually upgrades and improves its products. Actual features and specifications may therefore differ slightly from those described in this catalog.

SINFONIA SINFONIA TECHNOLOGY CO., LTD.

Shiba NBF Tower, 1-30, Shibadaimon 1-chome, Minato-ku, Tokyo, 105-8564, Japan
TEL +81-3-5473-1826 FAX +81-3-5473-1845

※Homepage Address <http://www.sinfo-t.jp>

E03-214A