Engineering Models & Control Panels

Engineering Models

Engineering Models benefit your organization by providing a cost-effective, rapidly produced solution that meets performance requirements.

Adcole Space offers Engineering Models (EMs) of any flight hardware – including Sensor Heads and Electronics. EMs are typically equivalent to flight hardware in form, fit, and function, but are built using non-flight components. Thus, we can create a fully functional and accurate model at a fraction of the cost of actual flight hardware.

EMs are typically used early in the build to:

- Verify power and data interfaces
- Mechanical interference checks
- EMI/EMC
- Other subsystem integration activities

Control Panels

Control Panels contain the necessary circuitry to properly drive an array of Stimulators. The panels contain front panel controls and / or computer inputs, as indicated by the customer. Control panels are powered from 100 to 240 VAC, 50 or 60 Hz and have an effective temperature range of -30° to +60° C.

Adcole Space recommends using an Adcole Control Panel with each group of Stimulators. Alternately, the stimulators can be operated using customer-built driver circuits. Adcole will assist customers in specifying the appropriate drive signals for any purchased stimulator hardware.

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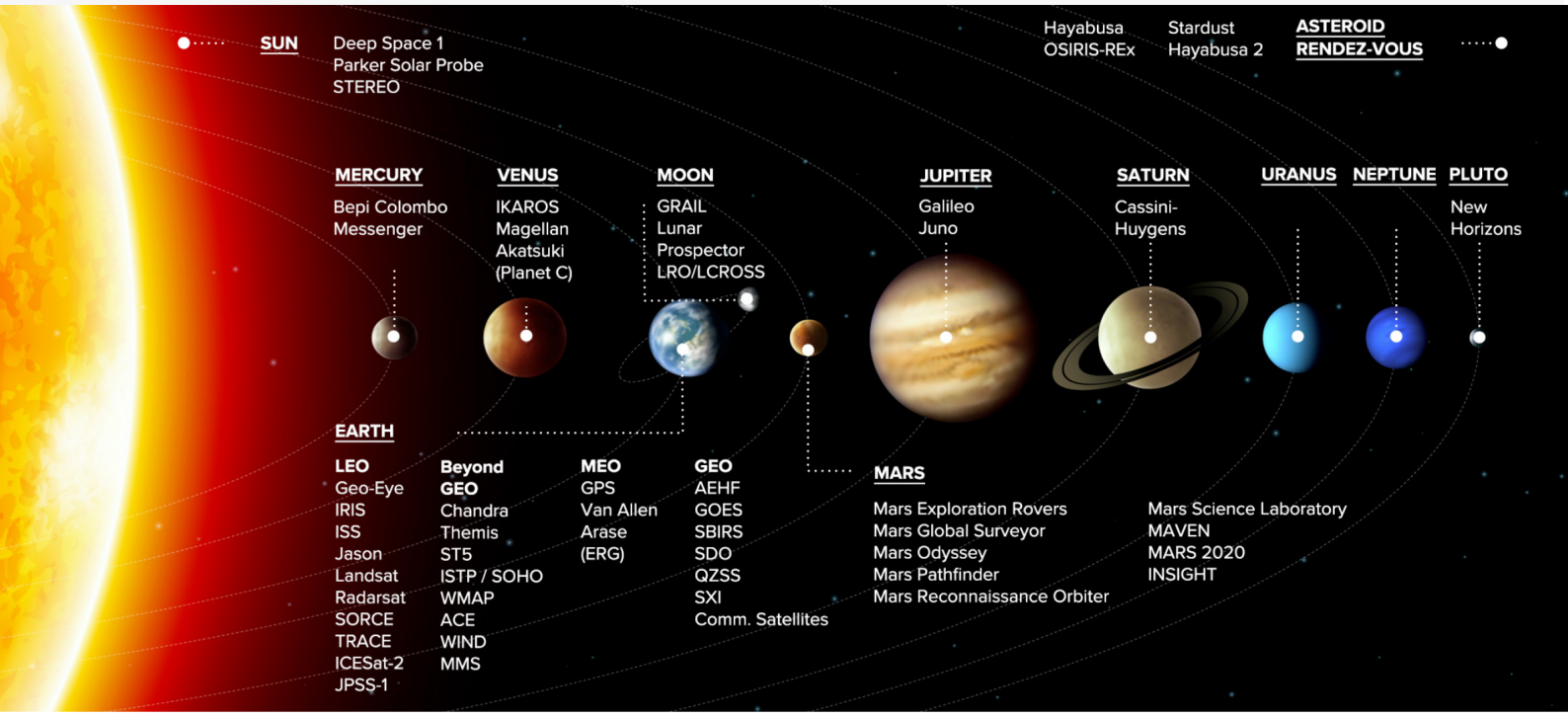
COMPANY HERITAGE

Founded by Addison Cole in 1957, the sun sensors designed by Adcole have flown on numerous space exploration missions, including all Mars Rovers, New Horizons, Juno, and the Parker Solar Probe. An engineer by trade, Cole invented a sun angle sensor that enables rockets and satellites to maintain their orientation in space. Cole's invention, which is in use by space agencies today, provided the impetus behind the launch of Adcole Corporation.



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