

SPACECRAFT DESIGN WORKSHOP

A hands-on, four-day workshop for the growing space economy — turning mission requirements into architecture, model-based design, and validation-ready decisions.

DATES	TIME	FORMAT	FEE
13-16 OCT 2026	0900-1700 SGT	IN-PERSON · SG	SGD 2,499

IN PARTNERSHIP WITH



THE BRIEF

FROM MISSION REQUIREMENTS TO VALIDATED ARCHITECTURE

This four-day, in-person workshop takes you from mission requirements to validation-ready architecture using model-based systems engineering. Working hands-on in **CATIA Magic with SysML v2** — the modelling standard now adopted by agencies including NASA and ESA — you learn to treat a satellite mission as a single, connected system: payload, ground segment, and orbit held in alignment from the first requirement to the final trade-off.

WHO SHOULD ATTEND

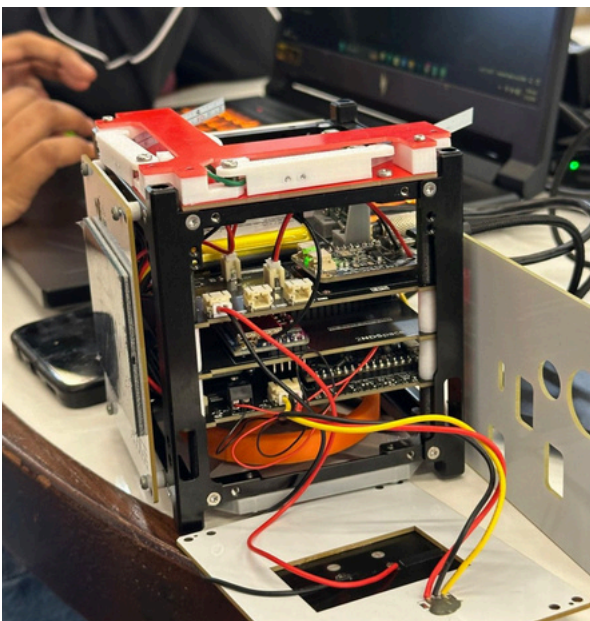
Designed for **engineers, scientists, researchers, academia and lecturers, and government agency professionals** across aerospace, deep-technology and supporting industries — and **suppliers to the space sector** who need to speak the mission language of their customers.

No prior spacecraft experience is assumed.



WHAT YOU'LL LEARN

- 01 Mission-as-a-system thinking** — manage the end-to-end enterprise: payload, ground segment, and orbit in alignment.
- 02 Model-based design in SysML v2** — the emerging standard adopted by NASA and ESA, modelled live in CATIA Magic.
- 03 Oversight, risk & vendor communication** — evaluate trade-offs, manage cross-team risk, coordinate with suppliers and leads.
- 04 Continuous digital validation** — digital twins, automated simulation, and validation pipelines that shorten cycles.
- 05 Hands-on: build a 1U CubeSat** — assemble and understand a real small-satellite platform.



BEYOND THE LAB **Connect** with the engineers, mission leads and partners over lunch and tea breaks.

GOOD TO KNOW

Certificate	Software provided	Lunch & tea breaks	Limited seats
Of completion, awarded on the final day.	CATIA Magic, Community Edition.	Catered across all four days.	Small cohort for hands-on time.

REGISTRATION

RESERVE YOUR SEAT

SGD 2,499 · 13–16 October 2026 · Singapore · Limited seats



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OTHERS AIM FOR THE STARS. WE TAKE YOU THERE.