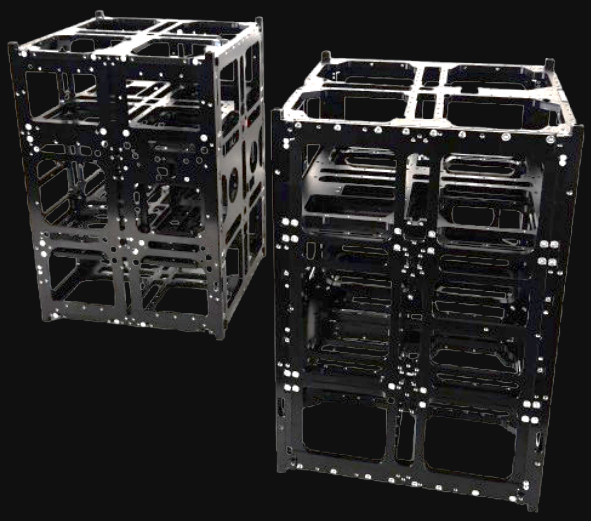
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VERSE Structures

TRL 9

1U-16U CUBESAT FORM FACTOR

2NDSpace's products derive from a decade of experience of the 2NDSpace team in the design of space systems and successful nanosatellites missions. All 2NDSpace products are conceived to offer performance excellence combined with customization-as-a-standard approach and reduced lead time.
The experience allowed to design an innovative layout that guarantees performance above the market standard combined with an incredible level of accessibility and error-free assembly process, fundamental for achieving mission success.



- High Performance and modular CubeSat structures
- Customization as standard
- Flexible, fast, and mistakes-exempt platform integration
- User-definable aperture layout
- Compatible with CDS & commercial components
- Maximized ease of integration and accessibility
- Enhanced structural performances

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PRODUCT **PORTFOLIO**

	VERSE-01	VERSE-1.5	VERSE-02	VERSE-03	VERSE-06	VERSE-08	VERSE-12	VERSE-16
Form Factor	1U	1.5U	2U	3U	6U	8U	12U	16U
Dimensions [mm]	100x100x113,5	100x100x170	100x100x227	100x100x340,5	100x226,3x366 100x226,3x340,5	100x226,3x454	226x226,3x366 226x226,3x340,5	226,3x226,3x454
Weight [g]	98	132	204	310	890*	1120*	1915**	2305**
Stack number	1	1/1.5	1/2	1/2/3	Custom	Custom	Custom	Custom
Deployment Switches	6	6	6	6	6	6	6	6
End-frames	Standard	Standard	Standard	Standard	Custom	Custom	Custom	Custom

** Primary mass, screws, switches and 4x stack frames*
** Primary mass, screws, switches and 2x stack layers*

QUALIFICATION AND **ACCEPTANCE TEST**

	Functional/AIT	Dimensional control	Electrical Test	Vibration test	Mechanical Shock	TVAC Test
Qualification Test	✓	✓	✓	NASA GEVS: GSFC-STD-7000A ESA ECSS-E-ST-10-03C	NASA GEVS: GSFC-STD-7000A ESA ECSS-E-ST-10-03C	NASA GEVS: GSFC-STD-7000A ESA ECSS-E-ST-10-03C
Acceptance Test	✓	✓	✓			

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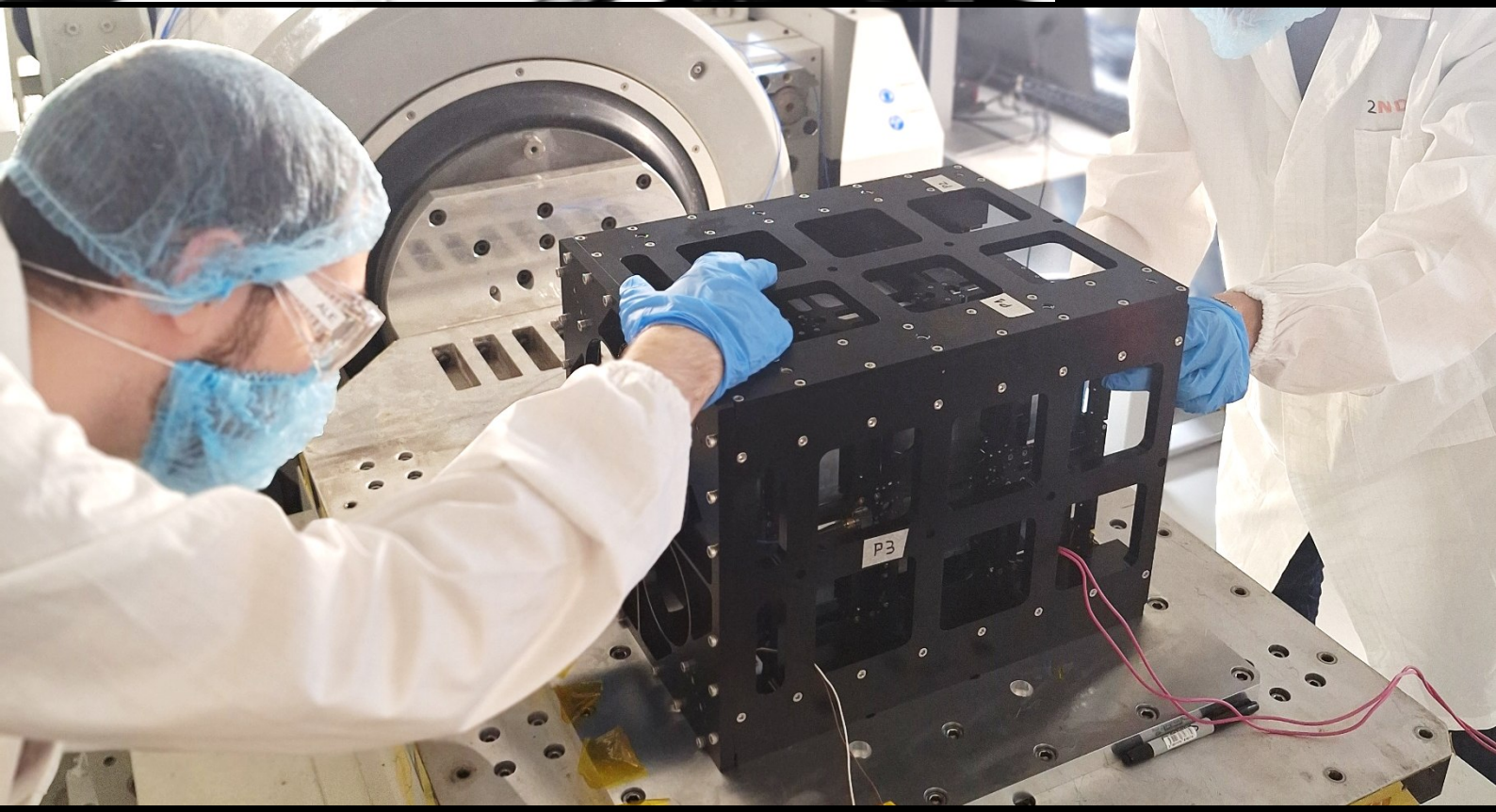
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FLIGHT HERITAGE



- Highly Customizable Design supporting extensive modifications to meet specific mission requirements
- Available in sizes ranging from 1U to 16U to accommodate diverse payload and subsystem needs.
- Fully adheres to CubeSat specifications, compatible with global launch service providers and COTS components.
- Third-Party Subsystem Compatibility to integrate seamlessly with a wide range of commercially available CubeSat subsystems.
- Ease of Assembly and Integration to simplify assembly process, facilitating rapid integration and testing cycles for developers.
- Thermal Management integrating radiators and heat management/thermal dissipation devices.
- Support Multiple Payload Configurations offering flexibility in mounting points to support unique payload orientations or subsystem placements
- Modular Add-Ons to integrate additional supporting elements for multiple mounting options



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