

NEWSPACE MARKET · COMPANY PROFILE



GTM Advanced Structures

Netherlands · gtm-as.com

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as of 20 August 2026



GTM Advanced Structures

GTM Advanced Structures is a medium-sized space hardware company based in The Hague, Netherlands, specializing exclusively in the design, manufacturing, and testing of solar panels for satellite and spacecraft applications. Operating from their facility at Laan van Ypenburg, GTM serves as a one-stop shop for satellite integrators seeking certified, mission-ready power generation hardware without the overhead of managing multiple suppliers. The company holds AS9100 certification and maintains comprehensive in-house capabilities across every phase of solar panel production. Their design services include mission requirement analysis, solar cell selection (GaAs or Si technologies), array architecture definition, electrical and thermal management engineering, and full mechanical and structural design. Prototyping covers the complete model philosophy: mock-ups, breadboards, engineering models, structural/thermal models, and protoflight units. GTM's manufacturing infrastructure spans substrate production (lay-up, autoclave cure, machining, and insert integration), photovoltaic assembly (solar cell sorting, interconnect welding, cell bonding, harnessing), and final assembly including hold-down and release mechanisms. In-house testing covers electroluminescence, photoluminescence, Light-IV curve measurement, shaker testing, deployment testing, and thermal cycling. With more than 80 SmallSat solar panels and over 200 CubeSat solar panels now deployed and operating in orbit, GTM has built strong flight heritage across a range of missions. The company is expanding its production facility by 900 m² by end of 2026 to meet growing demand.

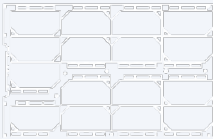
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SERVICES

Services

In-house Testing Capabilities GTM Advanced Structures offers a range of in-house testing services for solar panels, including mechanical, electroluminescence, photoluminescence, light-IV, shaker, deployment, and thermal cycling tests.	Qualification and Acceptance Testing GTM Advanced Structures performs comprehensive qualification and acceptance testing for solar panels, including environmental, vibration, thermal vacuum, ambient pressure, and thermal cycling tests.
Solar Panel Design GTM Advanced Structures engineers solar panels to customer specifications, performing mission requirement analysis, solar cell selection, and electrical, thermal, and mechanical design.	Solar Panel Prototyping up to Qualification Model GTM Advanced Structures provides in-house prototyping services for solar panels, including structural details, mock-ups, breadboards, and various models up to Qualification Model.

Product catalogue



GTM ADVANCED STRUCTURES

Solar Panel Substrate Manufacturing and Photovoltaic Assembly

GTM-AS offers comprehensive in-house manufacturing services for satellite solar panels, covering substrate production, photovoltaic assembly, and final testing.

Substrate Manufacturing Capabilities	Lay-up skins
Substrate Manufacturing Capabilities	Bonded assembly
Substrate Manufacturing Capabilities	Autoclave cure
Substrate Manufacturing Capabilities	Machining
Substrate Manufacturing Capabilities	Integration inserts and brackets
Substrate Manufacturing Capabilities	In-process testing
PVA Capabilities	Sorting and inspection of solar cells

price on request

Contact GTM Advanced Structures

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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