



Shenzhen Aerospace Dongfanghong Satellite

China · founded 2008 · cast.cn/english/channel/1816

2

PRODUCTS

4

SERVICES

newspacemarket.com/companies/shenzhen-aerospace-dongfanghong-satellite/ as of 20 August 2026

Shenzhen Aerospace Dongfanghong Satellite

Shenzhen Aerospace Dongfanghong Satellite Ltd. (Shenzhen DFH), established in October 2008, is a professional corporation for micro-satellite research and development under China Aerospace Science and Technology Corporation. The company focuses on exploring new aerospace technology and manufacturing high-performance, low-cost micro-satellite systems for the commercial aerospace market. Since its first satellite launch in 2011, Shenzhen DFH has launched 22 micro-satellites by the end of November 2022. Of these, 14 are commercial satellites based on DFH's own cost-effective product system. These satellites have covered fields such as scientific exploration, technical experimentation, remote sensing, communication, and atmospheric exploration. The company has a team of over 200 people and specializes in the overall design and manufacturing of micro-satellites and integrated electronic systems. Shenzhen DFH is also expanding into satellite application and operations.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

SERVICES

Services

AIT Infrastructure and service

The company offers Assembly, Integration, and Test (AIT) infrastructure and related services.

Satellite Communication Applications

The company offers services related to satellite communication applications.

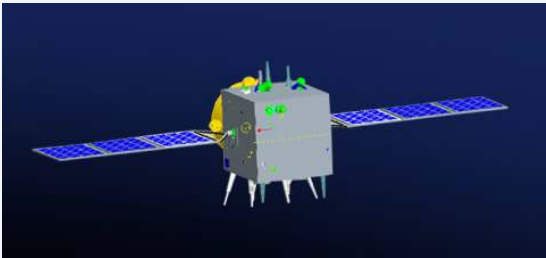
Satellite Navigation Applications

The company offers services related to satellite navigation applications.

Satellite Remote Sensing Applications

The company offers services related to satellite remote sensing applications.

Product catalogue



SHENZHEN AEROSPACE DONGFANGHONG SATELLITE

CAST 2000 Satellite Platform

The CAST 2000 is a compact, high-performance, and flexible satellite platform featuring S-band TT&C, X-band data transmission, and 3-axis attitude stabilization.

Orbit type	Low, Medium, High
Service life span	≥ 3 years
Attitude Measurement Accuracy	≤ 0.03° (3 sigma)
Attitude Control Accuracy	≤ 0.1° (3 sigma)
Attitude Stability	≤ 0.001°/s (3 sigma)
Solar Array Output Power	≥ 1 KW (BOL) ≥ 900W (EOL)
Bus Mass	200-400kg

price on request

SHENZHEN AEROSPACE DONGFANGHONG SATELLITE

DFHSAT-1 Small Satellite Platform

Versatile small satellite platform from Shenzhen Aerospace Dongfanghong offering 50-100 kg class spacecraft for Earth observation and technology demonstration missions.

Mass	50-100 kg
Orbit	LEO
Payload options	E0 camera, SAR, AIS/ADS-B

price on request

Contact Shenzhen Aerospace Dongfanghong Satellite

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.

<https://newspacemarket.com/companies/shenzhen-aerospace-dongfanghong-satellite/>

<https://www.cast.cn/english/channel/1816>