China Launches Lijian 1 Rocket Deploys Nine Satellites into Orbit

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China successfully launched its Lijian 1 (Kinetica 1 Y11) carrier rocket on Wednesday, sending

nine satellites including one from the United Arab Emirates (UAE) into orbit. The rocket lifted off at

12:03 p.m. Beijing Time from the Dongfeng commercial space innovation pilot zone near the

Jiuquan Satellite Launch Center in northwest China.

Among the payloads was the UAE led satellite 813, designed to support environmental monitoring.

It will observe soil conditions, climate patterns, and ecological changes, contributing to regional

and global environmental research.

A key highlight of the mission was the deployment of Jixing High Resolution 07D01, Chinas first

remote sensing satellite dedicated to the power industry. Developed with support from the State

Grid Electric Power Engineering Research Institute, the satellite offers sub 0.5 meter spatial

resolution, enabling precise monitoring of transmission lines, pylons, and other grid

infrastructure.

Engineers report that the satellite can capture continuous east west strip imagery covering more

than 200 kilometers of transmission corridors in a single pass. This advanced capability is

expected to significantly enhance surveying accuracy for transmission projects and routine line

inspections, improving precision by more than fivefold compared to existing systems.

The satellites applications span ultra high voltage (UHV) project management, environmental

assessments of grid networks, inspection of key power corridors, disaster risk alerts, and post

disaster damage evaluations.

Also aboard the rocket were two additional remote sensing satellites dedicated to water resource

monitoring, urban management, and supporting digital transformation initiatives in a district of

Hefei, capital of east Chinas Anhui Province.