

BUILDING HIGH-TECH SMALL SATELLITES



The first in Singapore, a new space consortium will build an advanced small satellite – the size of a mini refrigerator and weighing 100kg – that will fly very close to earth to trial new technologies and test the emerging space of flying satellites at low altitudes. Since the satellite will be half the distance from earth compared with a conventional one, its remote sensing abilities will double. For example, it can capture images of the damage caused by natural disasters at a higher resolution, for instance. Led by Nanyang Technological University (NTU), the consortium includes NTU's Satellite Research Centre, Temasek Laboratories at the National University of Singapore (NUS) and NTU, and local satellite technology companies. The satellite will be built and launched into space in 2025.