LEOS-50 PLATFORM

The LEOS-50 platform is the workhorse of BST satellites. Satellites based on LEOS-50 can carry a vast number of payloads offering an excellent performance. LEOS-50MR is focused on smaller payloads and LEOS-50HR supports payload with up to 1.5m GSD. This versatility combined with system robustness makes LEOS-50 the recommended entry point for the BST Training Program.

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<th>LEOS-50MR</th>
<th>LEOS-50HR</th>
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| **System** | Volume: 570x570x400mm³  
Mass: 75kg with electric propulsion  
Design Life: 5 year LEO  |
| Volume: 570x570x600mm³  
Mass: 75kg with electric propulsion  
Design Life: 5 year LEO  |
| **Payload** | 550x550x200mm³  
10-15kg (recommended)  
25W av. 250W peak  |
| 540x540x400mm³  
15-30kg (recommended)  
25W av. 250W peak  |
| **Bus** | Very Fast Target Pointing (5°/s),  
S-Band TT&C, 100Mbit/s or 320Mbit X-Band downlink,  
Fully Encrypted (Data & TT&C), Electrical Propulsion  |