Japan Manned Space Systems Corporation (JAMSS) provides small satellites launch services around the world based on its launch services networks. JAMSS offers the best suitable launch services to meet your orbit requirements and launch schedule in total. JAMSS started the small satellites deployment services from the International Space Station and small satellites launch services on launch vehicles as secondary payload such as H-IIB from 2014, using deployment/launch opportunities provided by Japan Aerospace Exploration Agency (JAXA).

The services include interface coordination with launch vehicle or the ISS, safety review support, technical consultation, logistics support of payloads.

Contact us!!
TEL: +81-3-3211-2060
FAX: +81-3-3211-2004
Email: jamss-sales@jamss.co.jp

**ISS Deployment**

**Advantages**
- Frequent launch opportunities;
  - ~ 6 times per year (HTV, Space-K, Orbital, etc.)
- Flexible with satellite development
- Moderate environment;
  - Vibration mostly attenuated
- No shock environment
- Check out after launch;
  - Deployment is photographed.
- Health check on-orbit can be conducted.

**Expanded Capability**
- Another type of satellite called TuPOD (approx. Ø90 x 130mm) can be deployed from J-SSOD, utilizing 3U size CubeSat named TuPOD which was developed by G.A.U.S.S. Srl.
- Can be deployed from J-SSOD, utilizing 3U size CubeSat named TuPOD.
- Can be deployed at the Payload Deployment Position (PDP).

**Milestones**
- Typical Milestone in case of Space-K Launch
  - Contract
  - Safety Data Package
  - Review
  - Deploy

**Safety Reviews**
- JAMSS fully supports to complete Safety Reviews based on its expertise.
- Key requirements;
  - Deployment mechanism
  - Battery

**Capacity**
- H-IIB accommodates four microsatellites. General technical conditions are;
  - Envelope dimension should be no more than 50x50x50cm.
  - Mass should be no more than 50kg.
  - Hot launch is not available.
  - Also available for CubeSats.

**Launch Vehicles**

**H-IIB Launch Vehicle**
- H-IIB, Japanese flag ship launch vehicle contributes to inject not only large satellites but also small satellites as secondary payloads to on orbit destination.

**Small Satellite Flight Heritage on H-IIB**

<table>
<thead>
<tr>
<th>No.</th>
<th>Primary vs. Secondary Payloads</th>
<th>Flight</th>
<th>Launch Date</th>
<th>Secondary Payloads</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>IBUKI (GOSAT)</td>
<td>SSO</td>
<td>Oct 2009</td>
<td>7 microsatellites</td>
</tr>
<tr>
<td>2</td>
<td>&quot;ARAT-11&quot; (Planet-C)</td>
<td>Transe- Venus</td>
<td>May 21, 2010</td>
<td>4 microsatellites</td>
</tr>
<tr>
<td>3</td>
<td>&quot;SHINDEN&quot; (GCOM-W1)</td>
<td>SSO</td>
<td>May 18, 2012</td>
<td>2 microsatellites</td>
</tr>
<tr>
<td>4</td>
<td>GPM</td>
<td>LED</td>
<td>Feb 28, 2014</td>
<td>7 microsatellites</td>
</tr>
<tr>
<td>5</td>
<td>&quot;TANKER-12&quot; (MOIS-1)</td>
<td>SSO</td>
<td>May 24, 2014</td>
<td>4 microsatellites</td>
</tr>
<tr>
<td>6</td>
<td>HAYABUSA-2</td>
<td>Earth- escape</td>
<td>Dec 3, 2014</td>
<td>3 microsatellites</td>
</tr>
<tr>
<td>7</td>
<td>ASTRO-H</td>
<td>LED</td>
<td>To be launched in September 2015</td>
<td>4 microsatellites</td>
</tr>
</tbody>
</table>

**Launch Site**

JAMSS strives to provide user friendly launch services and contribute to the space utilization with small satellites in the world. Those efforts include small satellite launch application on other Japanese launch vehicles.