



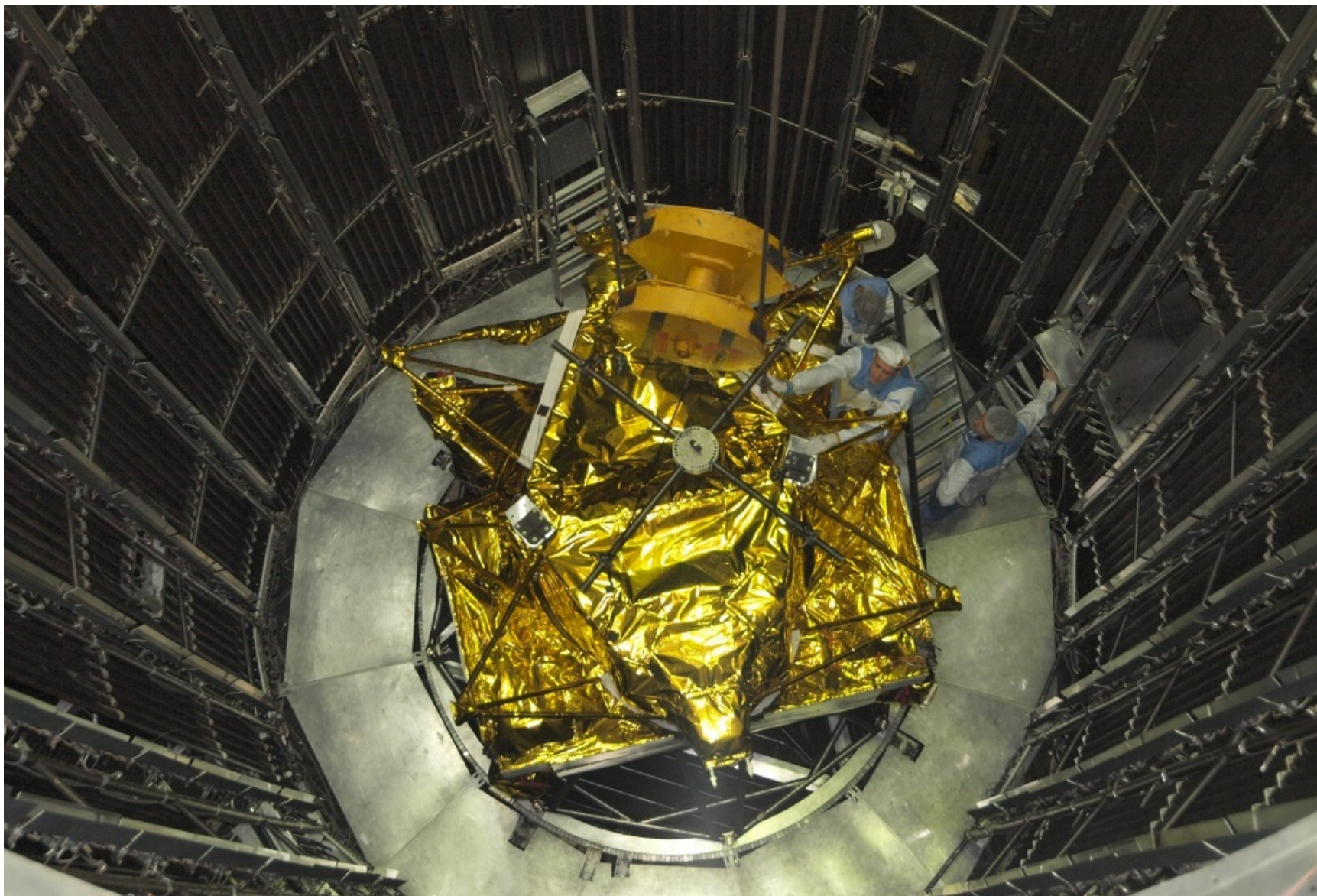
РОСКОСМОС



Status of the spacecraft,
launch vehicles and ground
segment, schedule

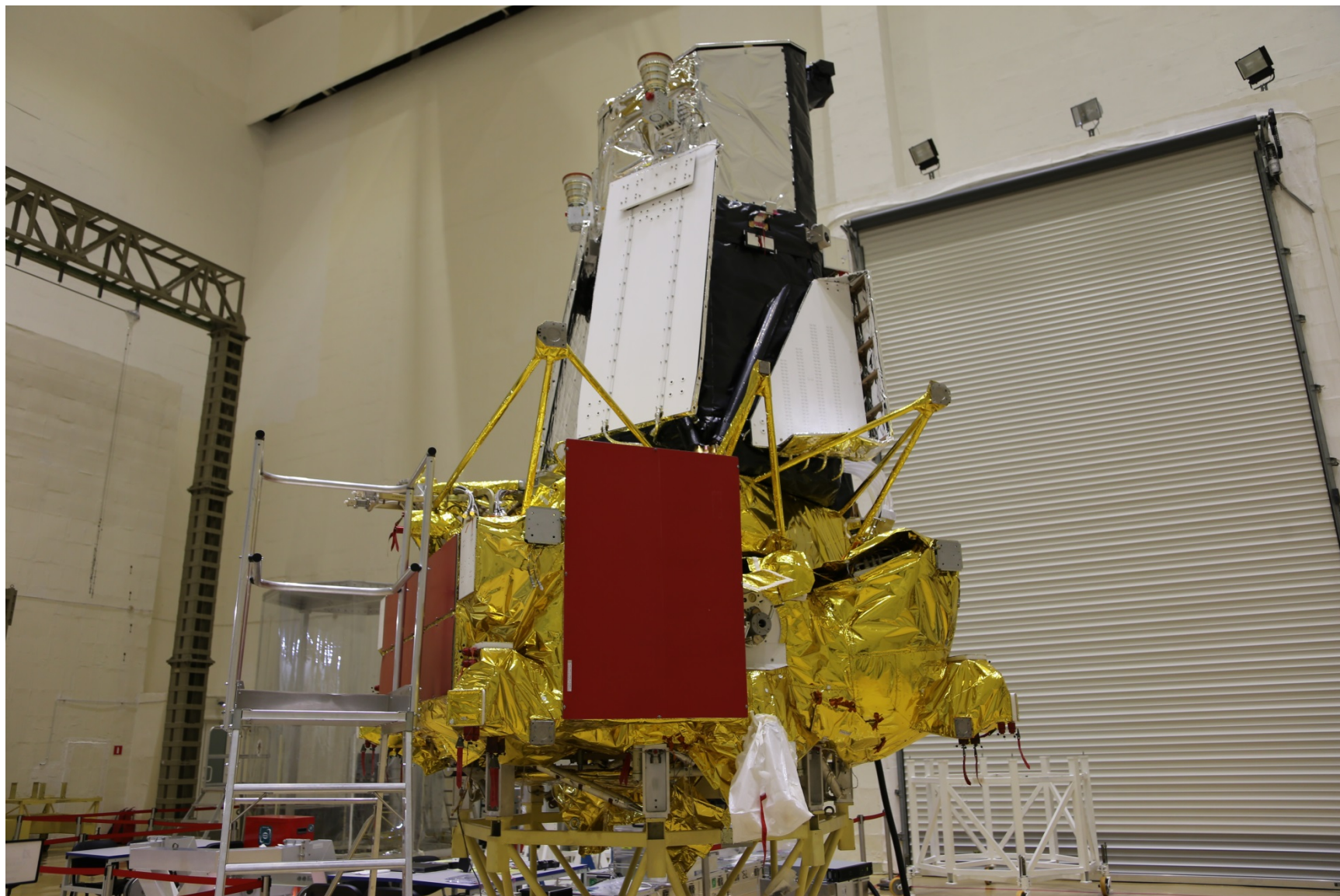


Complex tests in the vacuum chamber





Current SC status





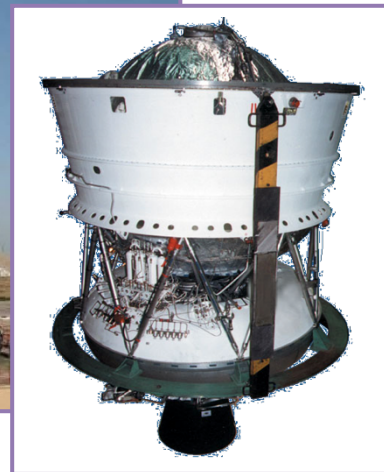
Upcoming events

Event	Participants	Start	End
Installation of GIVUS	NPOL, NIIPM	22.10.18, 9:00	22.10.18, 16:00
Installation of alignment equipment	NPOL	22.10.18, 16:00	22.10.18, 18:00
Alignment measurements (eROSITA – GIVUS)	NPOL	23.10.18, 9:00	24.10.18, 17:00
Installation of ART-XC	NPOL, IKI	25.10.18, 9:00	25.10.18, 14:00
Alignment measurements (ART-XC)	NPOL	25.10.18, 14:00	25.10.18, 17:00
Assembly of electrical scheme for testing	NPOL	26.10.18, 9:00	27.10.18, 14:00
Complex tests of the assembled SC	NPOL, IKI, MPE	29.10.18	22.12.18
Integration of solar panels	NPOL	23.12.18	24.12.18
Solar panels control deployment	NPOL	25.12.18	30.12.18
CoG definition	NPOL, MPE	02.01.19	07.01.19
Control deployments	NPOL	08.01.19	14.01.19
Vibration tests	NPOL, MPE	15.01.19	21.01.19
Control checks, final operations, etc.	NPOL	22.01.19	19.02.19
Documentation preparation, certification, etc.	NPOL	20.02.19	28.02.19
Transporting to Baikonur		01.03.19	02.03.19
Activities on Baikonur		02.03.19	01.04.19
Launch		01.04.19	02.04.19

Change of the launch vehicles



«Zenith-2SB.80» + «Fregat-SB»



«Proton-M» + DM-03



Current activities

Launch vehicles

- development of project documentation on adaptation (joint with Khrunichev and Energiya);
- development of design documentation (Khrunichev, Energiya);
- extension of upper stage and fairing warranty periods (Khrunichev, Energiya);
- control fit-checks (mechanic, electric, etc.) of SC mockup with upper stage (joint with Energiya);
- development of flight tasks for the launcher and upper stage (NPCAP, Khrunichev, Energiya);
- preparation of activities on Baikonur.



Current activities

Ground control complex

The creation of ground control complex is in the final stage.

For today the tests of the following main parts are completed:

- main constructor sector (including corresponding software);
- Bear Lakes ground stations;
- both ballistics centers (IPM RAS, TSNiIMash);

In October the test of Flight control center (TSNiIMash) will be finished;

In November and December the tests of the following parts to be finished:

- Ground station in Ussuriysk;
- Collecting and transmitting data system
- Check of the end-to-end information path with the SC;
- Ground control complex full.







