



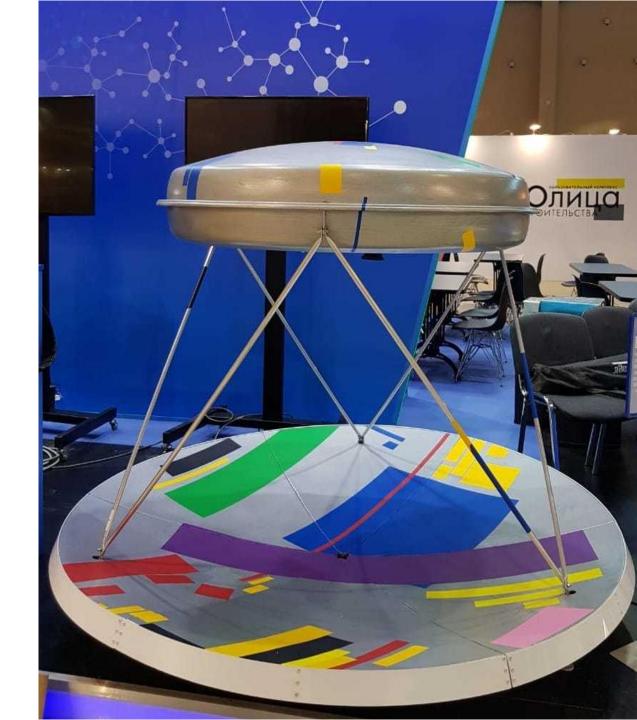




Images from Space Directly to School Computer

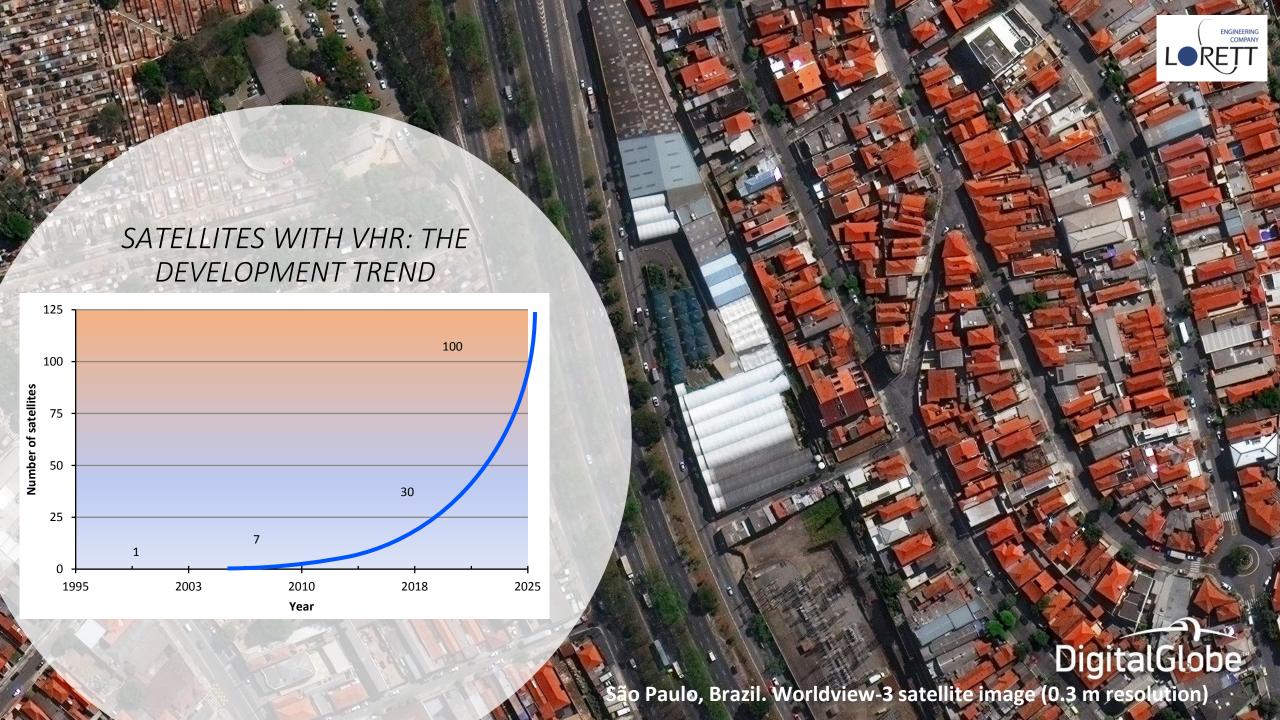
Mrs. Olga Gershenzon, co-founder, Deputy General Director

Seoul, the Republic of Korea October 29, 2019



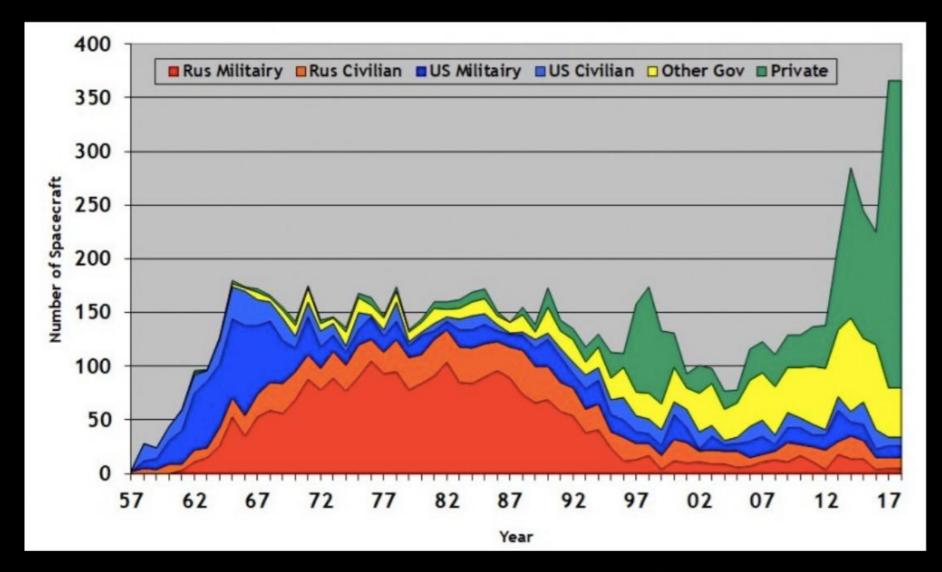
- The most important problem –
 competition between companies –
 owners of satellites.
- 2. Increasing number of satellites with VHR.
- 3. Increasing number of companies in area of Business Intelligence.
- 4. Lack of data with Zero Latency delivery.
- 5. Open (copyright free) images from Space are usually "old" and therefore cannot help to act in Real Time.
- 6. Lack of opportunities to use Earth observation data and GIS technologies in school education and career guidance





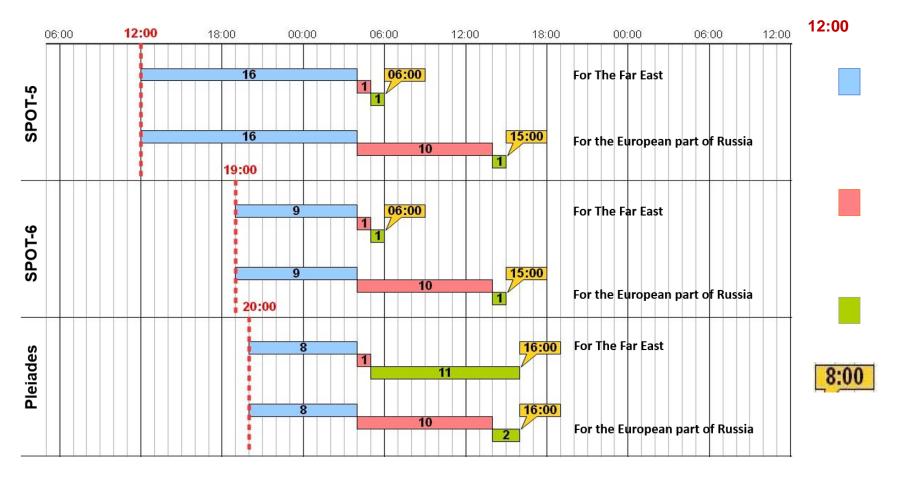








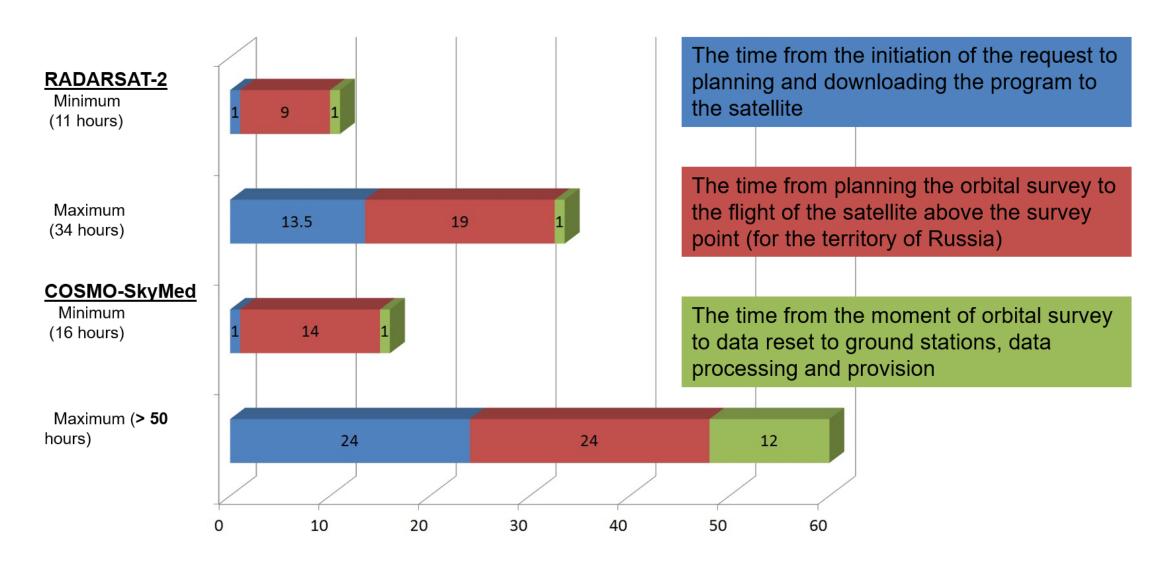
Our experience, optical data delivery time in Emergency request



- Application deadlines.
- The period of time from including the application in the survey plan to the first possible orbital survey (for the territory of the Russian Federation).
- The period from the moment of orbital survey to the discharge to the ground stations, processing and provision of data.
- The period of possible orbital survey (for different regions of Russia).
- Approximate time of delivery satellite images and processing results.

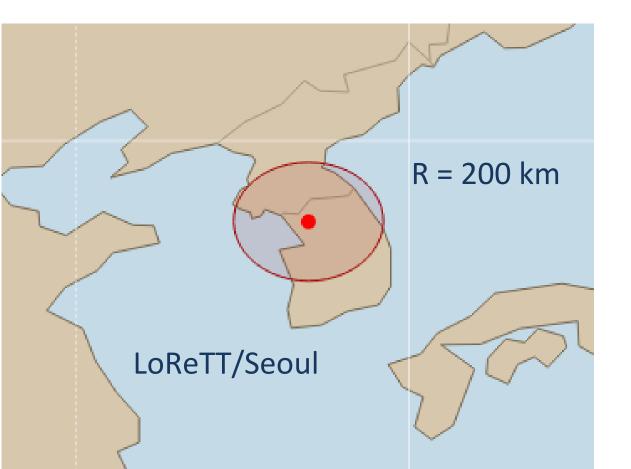


Our experience, radar data delivery time in Emergency request





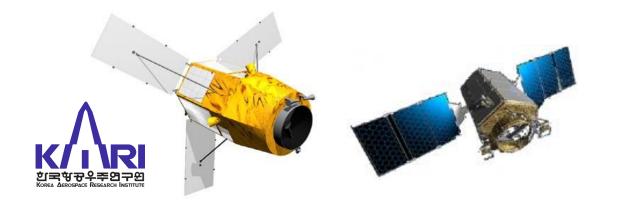


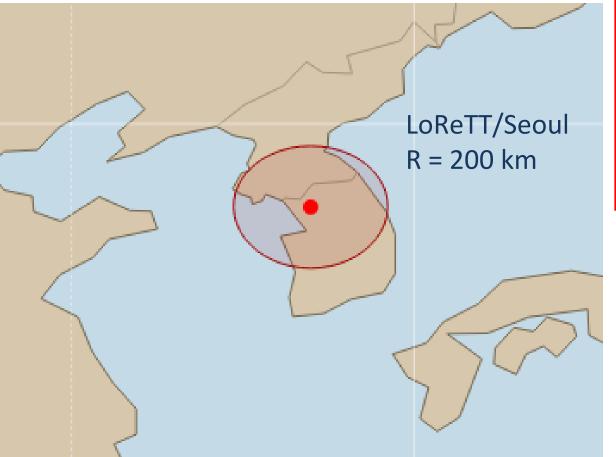


KANOPUS-V 4	2019-10-28 02:34:57	02:35:33	88.1
KANOPUS-V 6	2019-10-28 15:23:23	15:23:55	82.8
KANOPUS-V 5	2019-10-29 02:36:15	02:36:49	85.4
KANOPUS-V 4	2019-10-29 15:24:08	15:24:40	83.4
KANOPUS-V 3	2019-10-30 02:39:10	02:39:36	79.2
KANOPUS-V 5	2019-10-30 15:25:30	15:25:50	77.2









High resolution (1 m and better):

NUSAT-3 (MILANESAT) 2019-10-28 12:22:31 12:23:07 82.1 NUSAT-1 (FRESCO) 2019-10-28 14:34:12 14:34:46 85.1

ARIRANG-3 (KOMPSAT-3) 2019-10-28 17:20:05 17:20:53 86.1

DMC3-FM2 2019-10-29 01:39:09 01:39:53 83.8

KAZEOSAT 1 2019-10-29 02:34:40 02:35:32 85.4

NUSAT-3 (MILANESAT) 2019-10-29 12:11:56 12:12:32 83.0

KAZEOSAT 1 2019-10-29 13:45:11 13:45:59 81.6

ARIRANG-2 (KOMPSAT-2) 2019-10-29 14:16:20 14:16:52 78.1

DMC3-FM1 2019-10-29 14:36:26 14:36:54 77.3

ARIRANG-2 (KOMPSAT-2) 2019-10-30 01:17:32 01:18:18 83.5

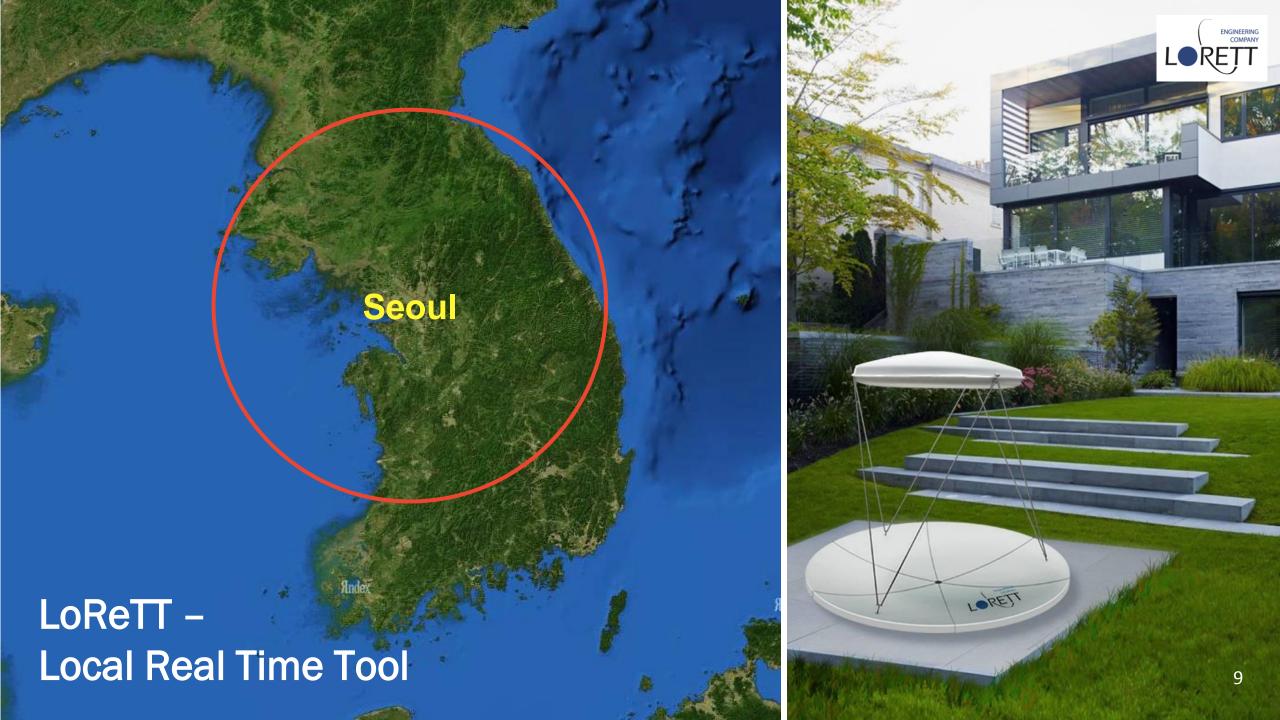
NUSAT-3 (MILANESAT) 2019-10-30 07:00:01 07:00:39 84.7

DMC3-FM3 2019-10-30 14:31:03 14:31:45 83.8

KAZEOSAT 2 2019-10-30 14:44:04 14:44:48 84.0

NUSAT-4 (ADA) 2019-10-30 17:08:36 17:09:04 79.5







We are creating demand

01

The creating of demand through exiting projects

02

First commercial delivery

03

Looking for strong partnership with satellites owners







Creating
of demand
through exiting
projects

Pilot projects in schools



Sealpups-2018/19 Project



Goal: organization of the operational headquarters in order to prevent the death of sealpups during icebreaking in the White Sea

Staff Algorithm

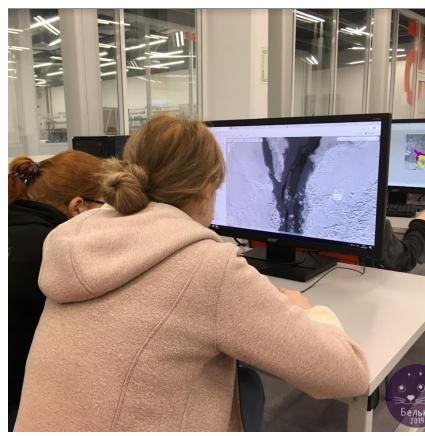
- 1. Satellite images reception
- Satellite images processing and analysis
- 3. Find harp seals whelping grounds
- 4. Predict the movement of ice
- 5. Notify the ports' administration
- 6. Reporting

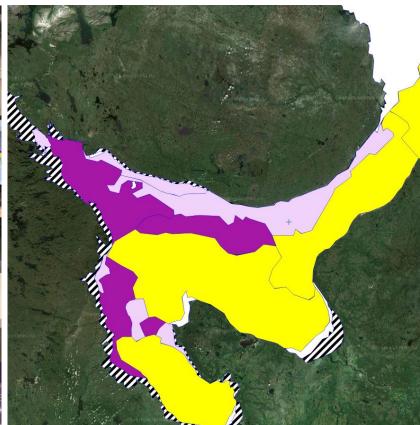














Monitoring

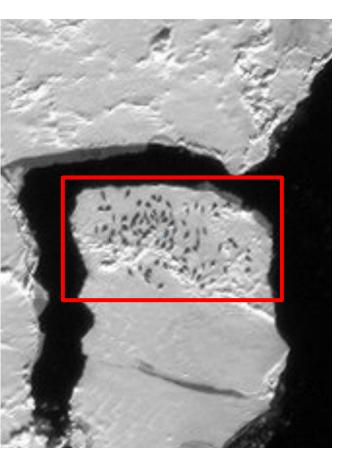
Ice mapping

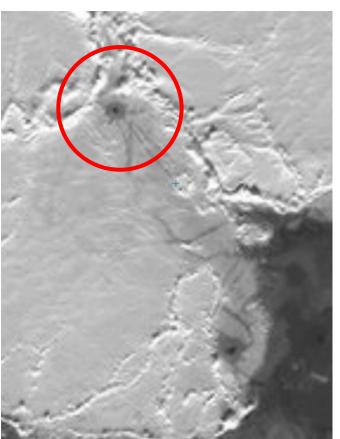
Reports



Search for whelping grounds









GeoEye-1 2019-03-03 ©DigitalGlobe, 2019

2019-03-06: Andrey Solovyov, the participant of the project took part in the airplane flight over the White Sea in order to verify the coordinates of harp seals whelping grounds.



We thank our Partners!













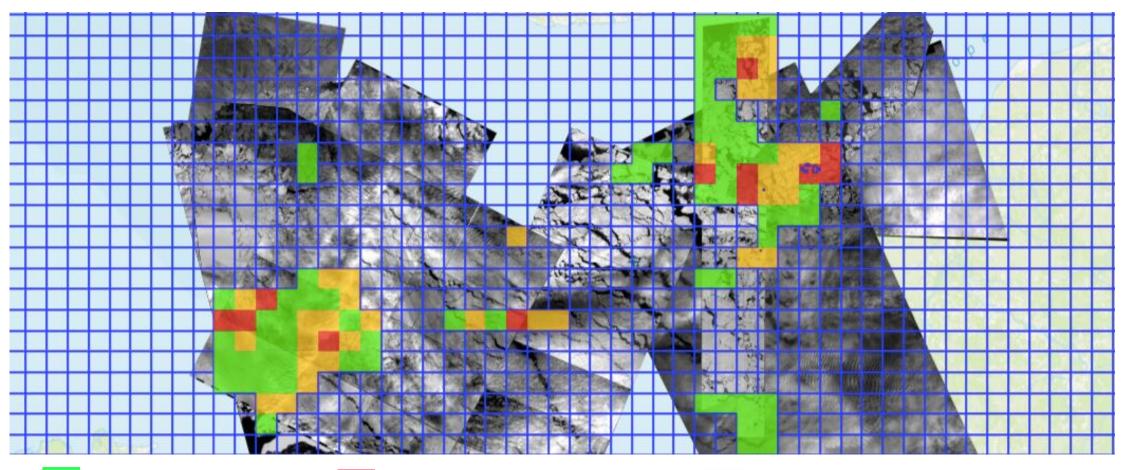




Crowdsourcing imagery analysis



We invited everyone to participate in satellite data analysis for further training of the neural network:









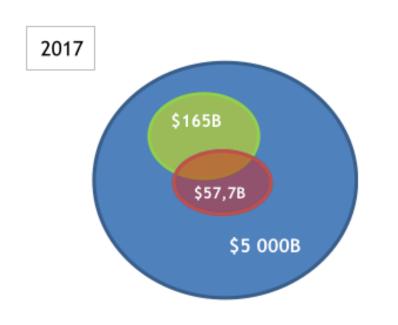


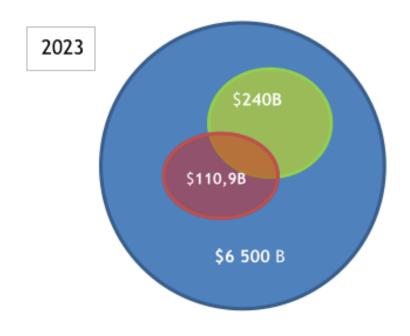


Looking for strong partnership with space industry and satellites owners



Global market









LoReTT technology developers — Vladimir and Olga Gershenzon, experts in the field of Earth remote sensing data reception and application.



Our experience:









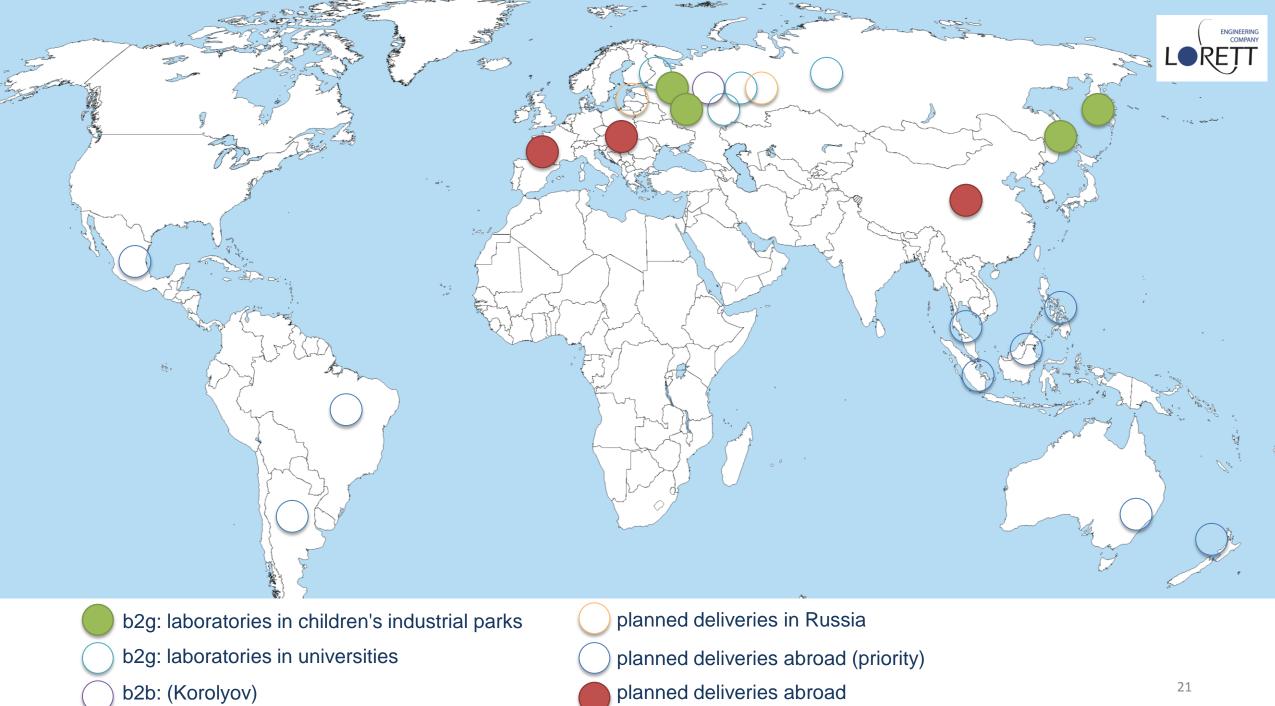


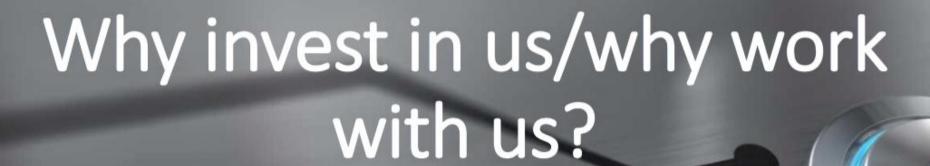
B2B - Private schools and universities



B2G₋ Governmental schools and universities

Our advantage







Contact +7 (985) 727-76-30

