



“Sheremetyevo-Cargo” JSC Cold chain handling

“Cargo handling providing permanent temperature conditions”

About company



“Sheremetyevo-Cargo” JSC - one of the largest air cargo terminals in Russia. Providing cargo handling services since the year of 1989.

- Main terminal total area – 28 000 m²
- Useful storage area for temperature cargo – 926.5 m²
- Annual cargo turnover – 220 000 tons
- Staff members - 850 persons





“Sheremetyevo-Cargo” has a adequate infrastructure for handling of temperature sensitive cargo.

The terminal is equipped with modern temperature control systems, is able to handle and store cargoes providing temperature conditions from -25°C to $+25^{\circ}\text{C}$. All staff members involved in handling of special cargoes take an appropriate training.

Guidelines for handling of temperature sensitive cargo



Planning of operations



Accurate performance, automated control



Meeting the deadlines



Permanent temperature monitoring



Our objective – is to guarantee necessary temperature conditions since the cargo is collected from a shipper / airline and till it is loaded into an aircraft / delivered to client

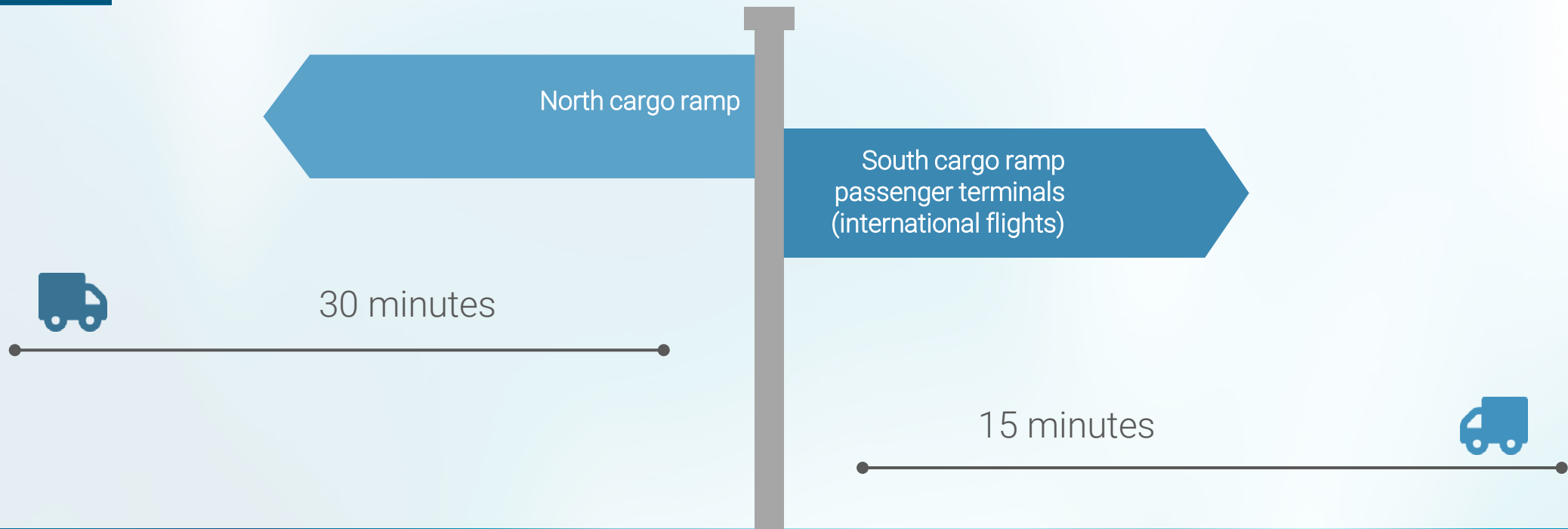
Ramp transfer



Import cargo is delivered to the warehouse straight after unloading from the aircraft;



Time of delivery:



Ramp transfer



For performing ramp transfer we use special cars equipped with coolers and freezers

We have:



Cars for transferring cargo providing temperature conditions from -20°C to $+25^{\circ}\text{C}$

- cars for BUP pallets(PMC)
- cars for cargo without ULD (bulk)







Cargo acceptance

Initial temperature control



- We make prior preparation of handling and storage areas to comply with necessary temperature conditions;
- Upon acceptance of cargo we make initial temperature control using certified measuring devices;
- Measured data is registered in system;
- Additionally we can take photos or video of cargo;



Temperature controlled storage rooms



Room type	Q-ty	Temperature range	Area, m2	Volume, m3	Storage on aviation pallet
Temperature rooms for international flights					
GDP-validated rooms					
Cool room	1	+2..+8°C	38.7	159.2	No
Warm room	1	+16.. +25°C	44.4	147.0	No
Other rooms					
Freezer room, wide temp. range	7	-25.. +25°C	182.0	373.5	No
Freezer room	1	-12 .. 0°C	18.4	56.1	No
Freezer room	1	-10 .. 0°C	26.8	79.8	No
Cool room	11	+2.. +8°C	412.4	1405.8	No
Cool room	2	+10.. +15°C	21.8	65.4	No
Total, international flights	24		744.5	2286.8	
Temperature controlled rooms for domestic flights					
Freezer room, wide temp. range	7	-25.. +25°C	182.0	373.5	No
Total, domestic flights	7		182.0	373.5	
TOTAL	31		926.5	2660.3	

Development: new room for CRT cargo, temperature conditions: +16°C .. +25° in accordance with GDP-standards, capacity: 100 pallets







Cargo storage



We strictly store different kinds of goods separately :



Fish



Meat



Cheese



Pharmaceuticals



Plants



Human remains

Number of separate areas for storage of temperature sensitive cargo

30

Additional area for keeping live animals



Copies of check-lists, air waybills and temperature monitoring records can be provided upon your request



We make periodic maintenance of cooling and freezing equipment



Storage rooms are always kept clean



Control system



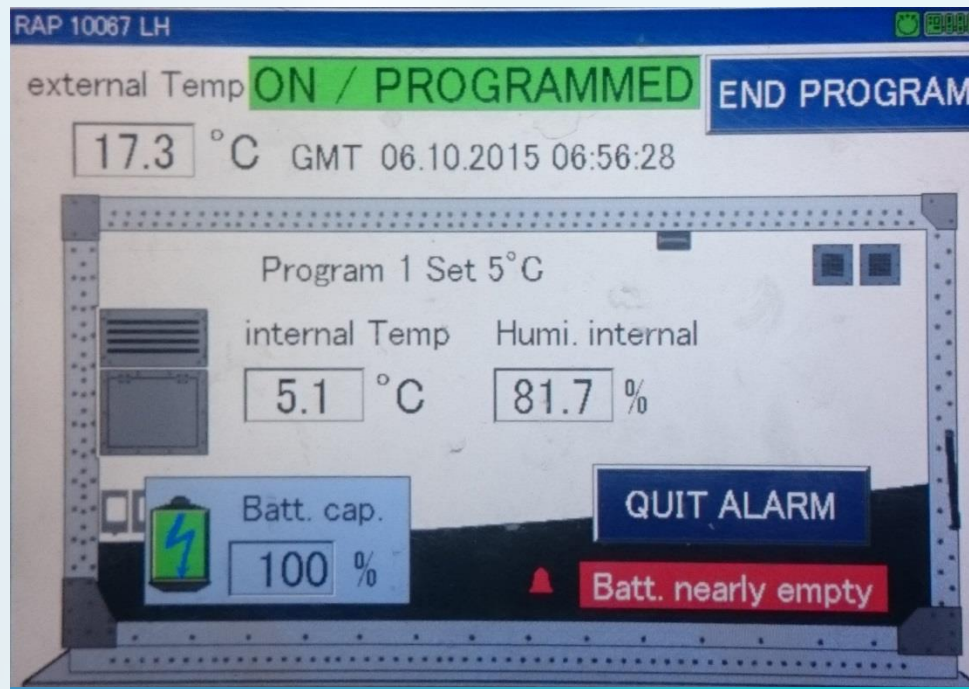
- Temperature control of all rooms is managed and controlled by system. Temperature and humidity are also shown on thermohygrometer installed in the storage area
- System operation is controlled by several operators of different departments of "Sheremetyevo-Cargo". Thus a multi-level control of temperature conditions is provided;
- In event emergency alarm is triggered we have an established emergency plan. The reaction time is no more than several minutes.



Temperature controlled containers



“Sheremetyevo-Cargo” has a great experience of handling active temperature controlled containers.



Every 3 hours we take pictures of the display showing temperature and humidity. These pictures can be provided upon request.

Equipment



Modern coolers and freezers



Self-contained power supply



Temperature conditions violation alarm system



Centralized control of temperature in coolers and freezers. Data for all storage rooms is shown on a screen controlled by operator



Possibility to collect samples while necessary temperature conditions are provided



Possibility to handle thermocontainers RAP, RKN

Our advantages



Possibility to deliver cargo to SVO from all over the world on the flights of more than 30 airlines



Flexible rates, the cost of services depends on amount of shipped cargo



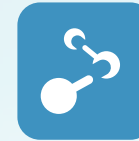
Certified and experienced staff, (average experience - 9,5 years)



Step-by-step process management



Attention to client's needs and handling details. We are ready to fulfill any additional requirements



Risk management. Taking corrective actions

Tracking cargo ONLINE



All handling events occurring with the cargo after flight arrival and till the moment of delivery are registered in information systems of “Sheremetyevo-Cargo”



We provide external access to our systems to clients for obtaining the following information:*

- Cargo status: date of flight arrival, date of cargo acceptance, cargo damages, date of documents collection, date of cargo collection
- Scanned air waybills
- Pictures of damaged pieces

**in the future it will be possible to get information about storage temperature conditions*

Airlines - partners





You are always welcome!

Choose us to be ensured about quality of services and safety of your goods.

We can consider your suggestions on further development of our infrastructure.

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