WE DELIVER FOR AEROSPACE LEADERS

Volga Dnepr

WE WORK WITH WORLD LEADERS

For over 25 years, Volga-Dnepr Group has been advancing the world of air logistics, enabling our global customers to achieve fast, secure and cost efficient transportation solutions, even for their most complex logistics challenges.

Our international reputation has been built on helping our customers to plan effectively, respond quickly and, most importantly of all, keep the promise they have made to their own customers. That's why so many of the world's leading companies choose Volga-Dnepr Group as their transportation and logistics partner.

The cargoes we move, for example, help the energy sector provide power to communities across the globe. We deliver satellites that increase and improve international communications. We help manufacturers and growers ensure a sufficient supply of products and produce to consumers across the globe. We move heavy construction equipment used to support vital infrastructure projects in both the developed and developing worlds. We are first to react when a man-made or natural disaster endangers lives.

>90,000
flights since the company was founded

>1,200
airports in 190 countries served by the Group's airlines

>4,000,000
tons of cargo carried since 1990

OUR GROUP OF COMPANIES

Volga-Dnepr Group consists of more than 20 companies in nine countries.
At the heart of the Group are two core cargo services:

CHARTER OPERATIONS

Global air cargo charter services are provided to the Group's customers by Volga-Dnepr Airlines – the world's largest transporter of outsize and heavyweight air cargo and the provider of end-to-end engineering and logistics solutions – and through the Group's Antonov 124 freighter venture Ruslan SALIS. The Group's air charter capability also includes services using the Ilyushin Il-76TD-90VD, Boeing 747 and B737 freighters in its fleet to offer international customers the most efficient aircraft solution for every charter requirement.

SCHEDULED OPERATIONS

International scheduled cargo services connecting customers in Europe, North America and Asia Pacific are delivered by AirBridgeCargo Airlines, one of the world's fastest-growing scheduled cargo airlines, via its global hub in Moscow. The airline operates one of the industry's youngest Boeing freighter fleets, comprising of Boeing 747-8F, Boeing 747-400ERF, and Boeing 737F aircraft.

Supporting businesses: Certified Aircraft Maintenance, Repair & Overhaul Centres; Insurance Company; Trucking Services; and Volga-Dnepr International Training Centre.

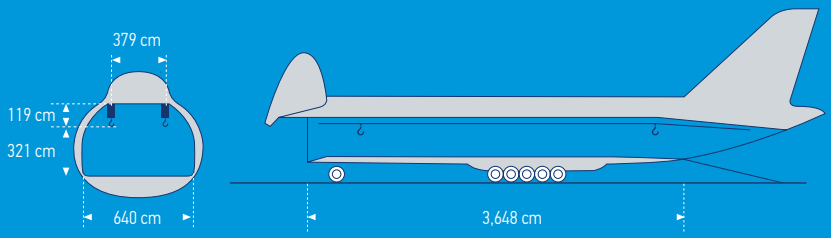
OUR FLEET

AN-124-100

x12

< 120t
MAX PAYLOAD

- CARGO COMPARTMENT DIMENSIONS 36.5 X 6.4 X 4.4M
- THE AN-124-100 "RUSLAN" IS THE WORLD'S LARGEST SERIES-PRODUCED RAMP AIRCRAFT
- VOLGA-DNEPR IS THE BIGGEST INTERNATIONAL AN-124-100 OPERATOR IN THE WORLD

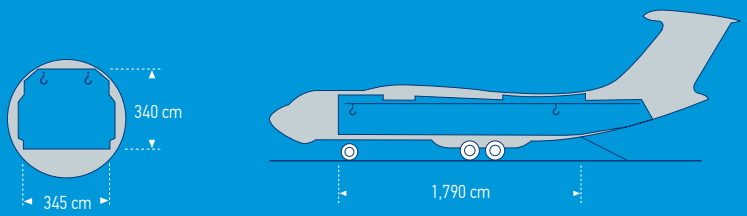


IL-76TD-90VD

x5

< 50t
MAX PAYLOAD

- CARGO COMPARTMENT DIMENSIONS 20 X 3.45 X 3.4M
- THE AIRCRAFT IS FULLY COMPLIANT WITH ICAO'S STANDARDS AND IS APPROVED FOR GLOBAL OPERATIONS



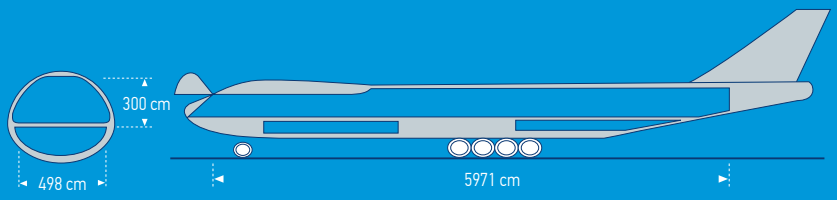
BOEING 747

x17

46
PALLET CAPACITY

< 135t
MAX PAYLOAD

- IN ADDITION TO SEVEN B747-400 FREIGHTERS, THE GROUP HAS INVESTED IN TEN NEXT GENERATION B747-8F, THE MOST ADVANCED CARGO AIRCRAFT OF ITS TYPE EVER BUILT BY BOEING
- THE 747 IS ESPECIALLY WELL-SUITED FOR SHIPMENTS REQUIRING STRICT TEMPERATURE SUSTAINABILITY



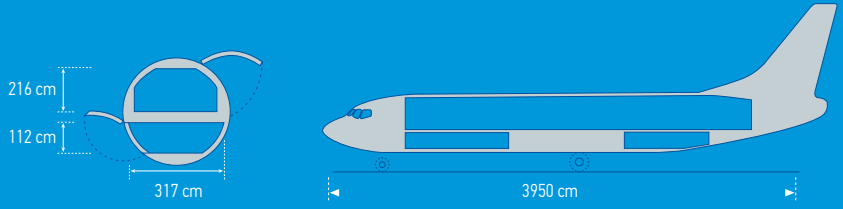
BOEING 737

x3

10
PALLET CAPACITY

< 20t
MAX PAYLOAD

- THE GROUP'S THREE BOEING 737 FREIGHTERS PROVIDE REGIONAL CARGO LIFT AND ARE USED AS PART OF VOLGA-DNEPR'S "CARGO SUPERMARKET" SERVICE OFFERING ALONGSIDE THE REST OF THE FLEET



THE AIRLINE FOR AEROSPACE LEADERS

SINCE 1990, THE AEROSPACE INDUSTRY HAS REPRESENTED ONE OF VOLGA-DNEPR GROUP'S BIGGEST CUSTOMER SECTORS.

>5,150

flights for Aerospace customers to date

>166,410

tonnes of cargo delivered for customers worldwide

30%

of the Group's annual business is generated by Aerospace services

THE PROCESS OF MOVING YOUR CARGO

Once we identify your cargo transportation requirements, the delivery of your cargo is carefully planned and managed by Volga-Dnepr's team of experts through 8 key stages:

1. Development of logistics solutions
2. Load planning
3. Commercial & navigation checks
4. Calculate the cost
5. Optimal option agreement & contract
6. Preparation of your cargo
7. Transportation
8. Client consultation to gain service feedback and to discuss future requirements

OUR EXPERTS ARE READY TO ASSIST YOU 24/7

SATELLITE MANUFACTURERS

- Airbus Defence & Space
- Mitsubishi Electric Corporation
- Russian Federal Space Agency
- Space System Loral
- Thales Alenia Space

AIRCRAFT & PARTS MANUFACTURERS

- Airbus
- Boeing
- Bombardier
- GE Aviation
- Pratt & Whitney
- Rolls-Royce
- United Aircraft Corporation

HELICOPTER MANUFACTURERS & OPERATORS

- Airbus Helicopters
- AgustaWestland
- Bell Helicopter
- Boeing
- Erickson Air-Crane
- MD Helicopters
- Russian Helicopters
- Sikorsky Aircraft Corporation

CASE STUDY 1

SATELLITE IN A CONTAINER

Montreal Canada → air freight → Krasnoyarsk Russia → road transport → St. Petersburg Russia → carriage by sea → Baltimore USA → road transport → Montreal Canada

CARGO DESCRIPTION: SATELLITE IN A CONTAINER WITH A SPECIAL TEMPERATURE CONTROL SYSTEM

ROUTE: CANADA – RUSSIA (AIR TRANSPORTATION) RUSSIA-CANADA (TRUCK AND SEA TRANSPORTATION)

WEIGHT: 25,000 KGS

DATE: SEPTEMBER 2012

Two IL-76TD-90VD freighters operated by Volga-Dnepr Airlines safely delivered highly-sensitive satellites.

Following completion of the first IL-76TD-90VD flight, Volga-Dnepr organized the logistics to move the special satellite container back to Canada by truck and sea to prepare the second satellite for its delivery to Russia.

The Express AM5 and Express AM6 satellites were successfully launched into space to provide the multi-program digital television and radio broadcasting.

SATELLITES
GLOBAL EXPERTISE

MAIN DIRECTIONS OF VOLGA-DNEPR FLIGHTS

SINCE 1990

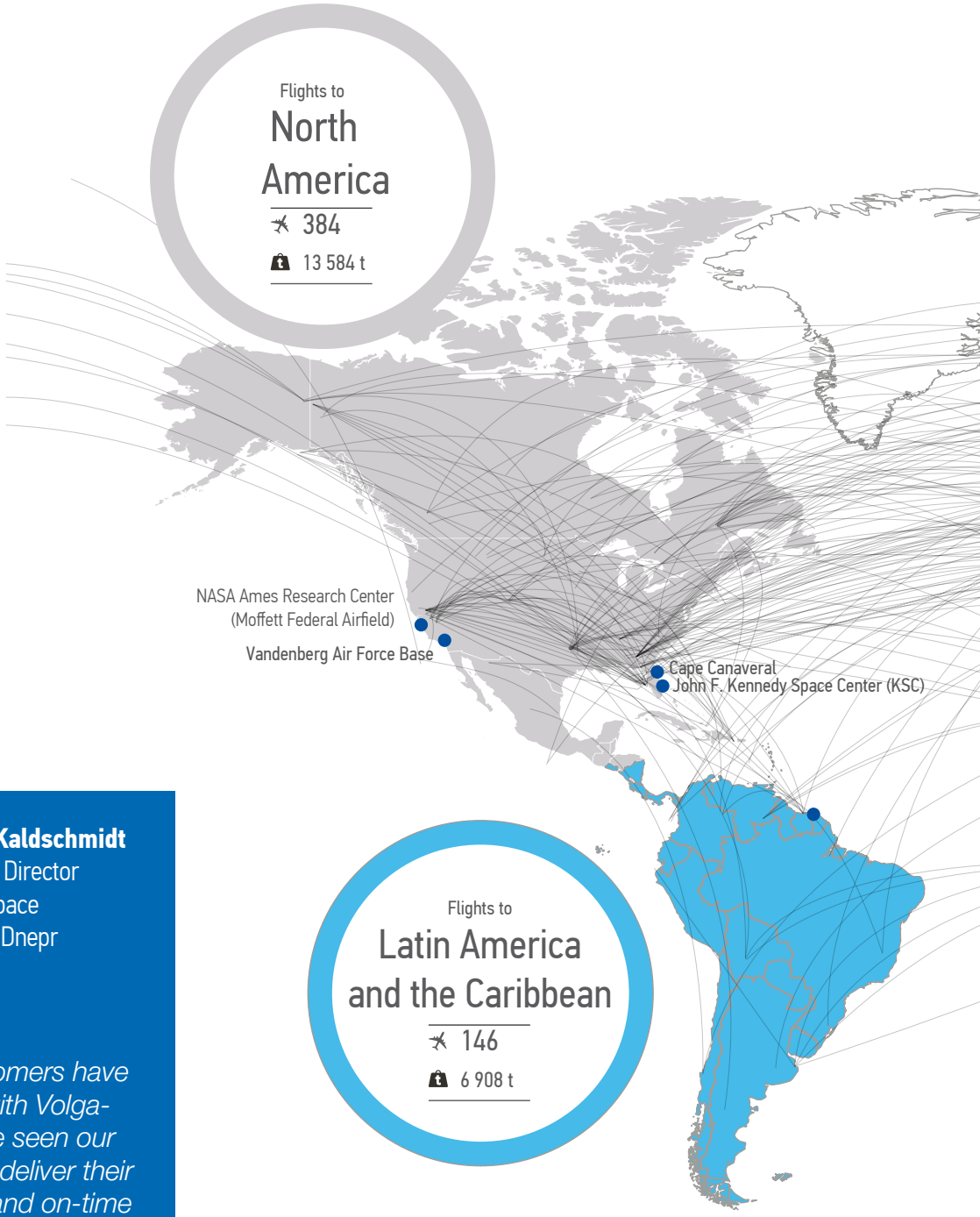
SATELLITES

932

FLIGHTS

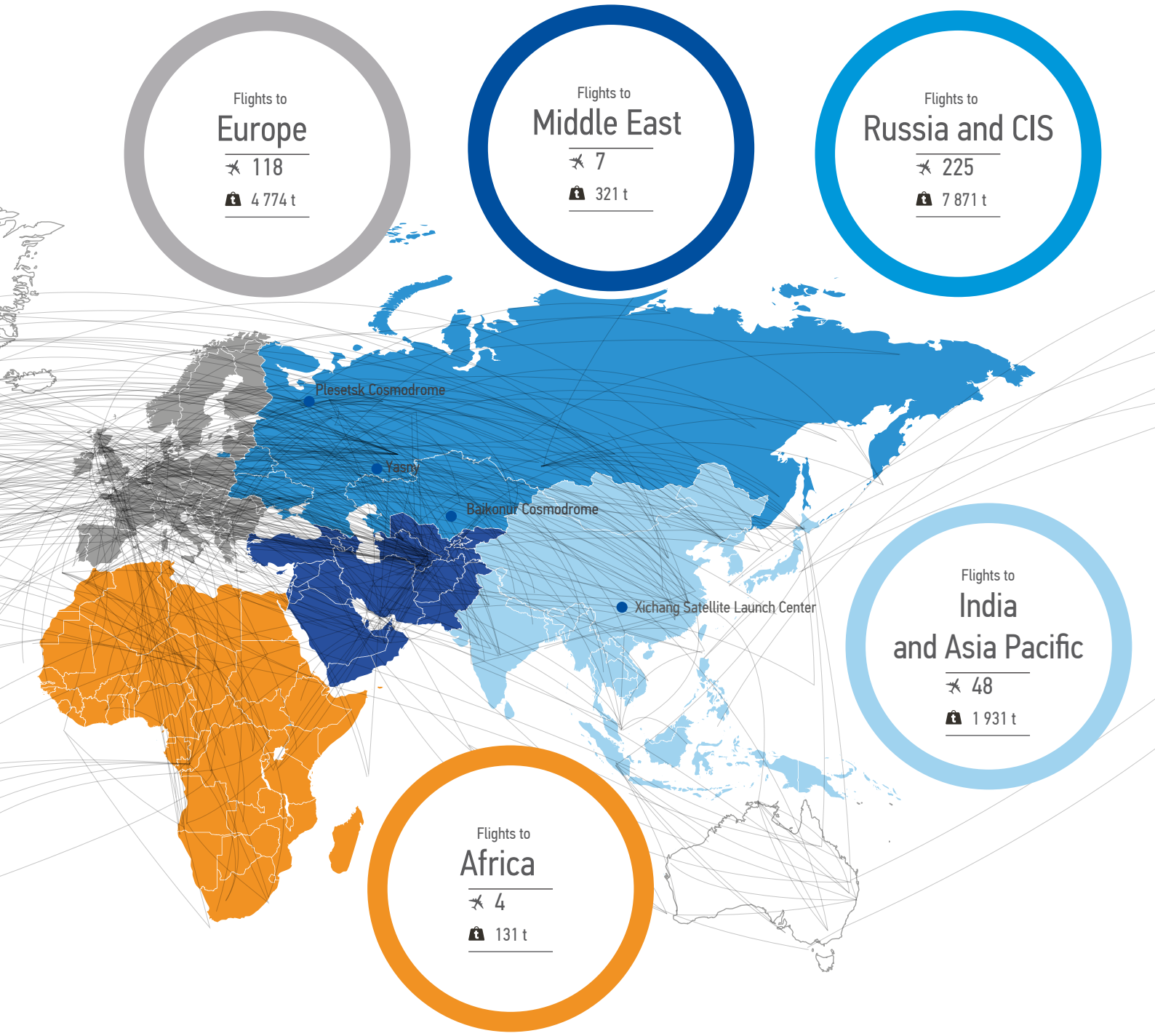
35 520

TONS



Axel Kaldschmidt
Global Director
Aerospace
Volga-Dnepr

"The majority of our customers have long-term relationships with Volga-Dnepr because they have seen our capability and trust us to deliver their cargo safely, on-budget and on-time to anywhere in the world."



If you are planning a satellite delivery, speak to one of the aerospace specialists at your local Volga-Dnepr office

CASE STUDY 2

EUROCOPTER'S SUPER PUMA HELICOPTER AND TWO SIKORSKY S-92 HELICOPTERS

CARGO DESCRIPTION:
ONE OF EUROCOPTER'S SUPER PUMA HELICOPTERS AND TWO SIKORSKY S-92 HELICOPTERS

ROUTE: FALKLAND ISLANDS – USA – NORWAY

WEIGHT: 30,000 KGS

DATE: MAY 2013

To place all three helicopters in the An-124's cargo hold some of the helicopters' components were removed and delivered on the same flight.

The operating height of the flight was changed to 8,000 meters instead of the usual 10,000 meters to ensure the correct cabin pressure was maintained throughout the journey in order to protect the helicopters' onboard equipment.

A timely and secure delivery allowed the helicopters to be quickly brought into service.

HELICOPTERS GLOBAL EXPERTISE

MAIN DIRECTIONS OF VOLGA-DNEPR FLIGHTS

SINCE 1990

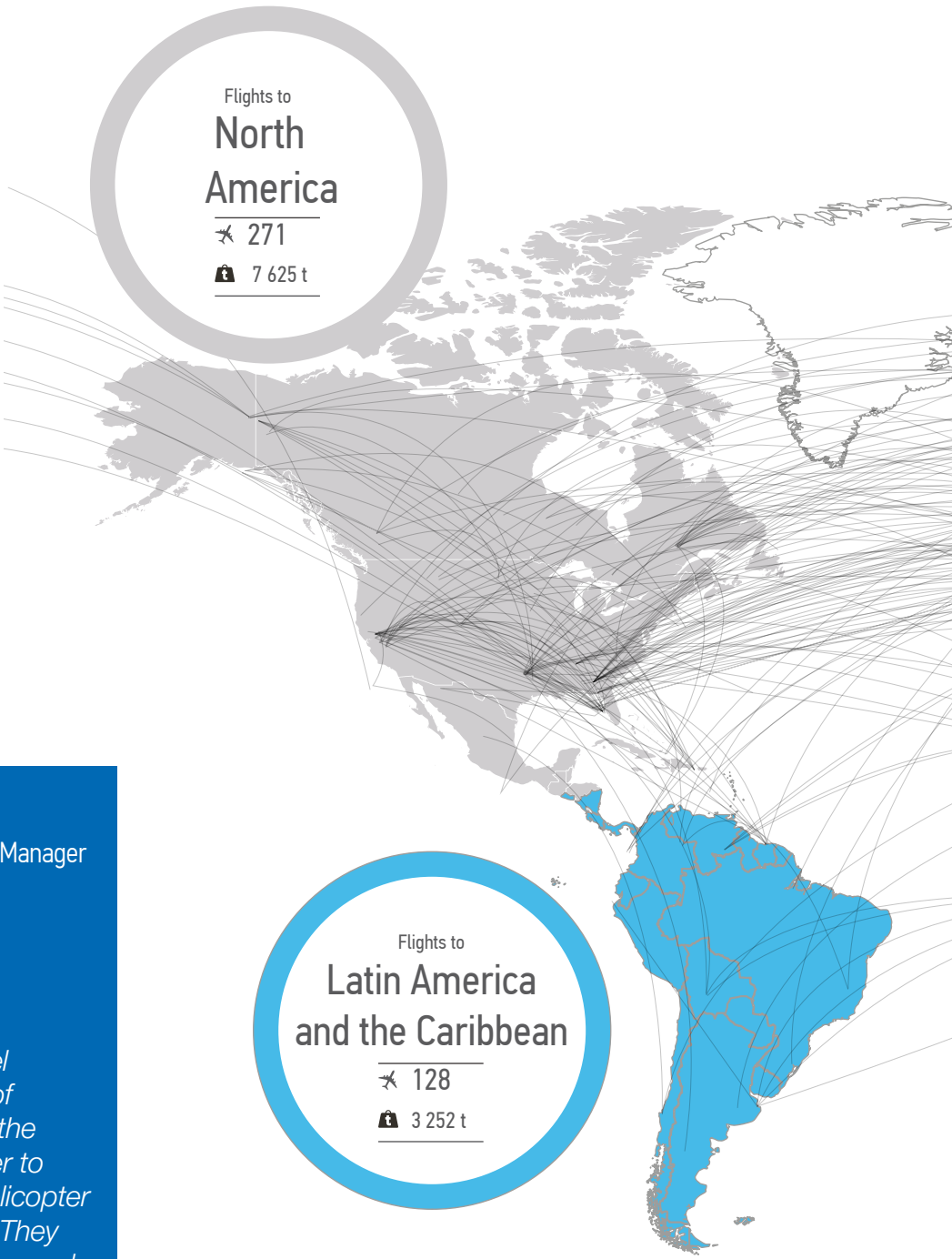
HELICOPTERS

2 196

FLIGHTS

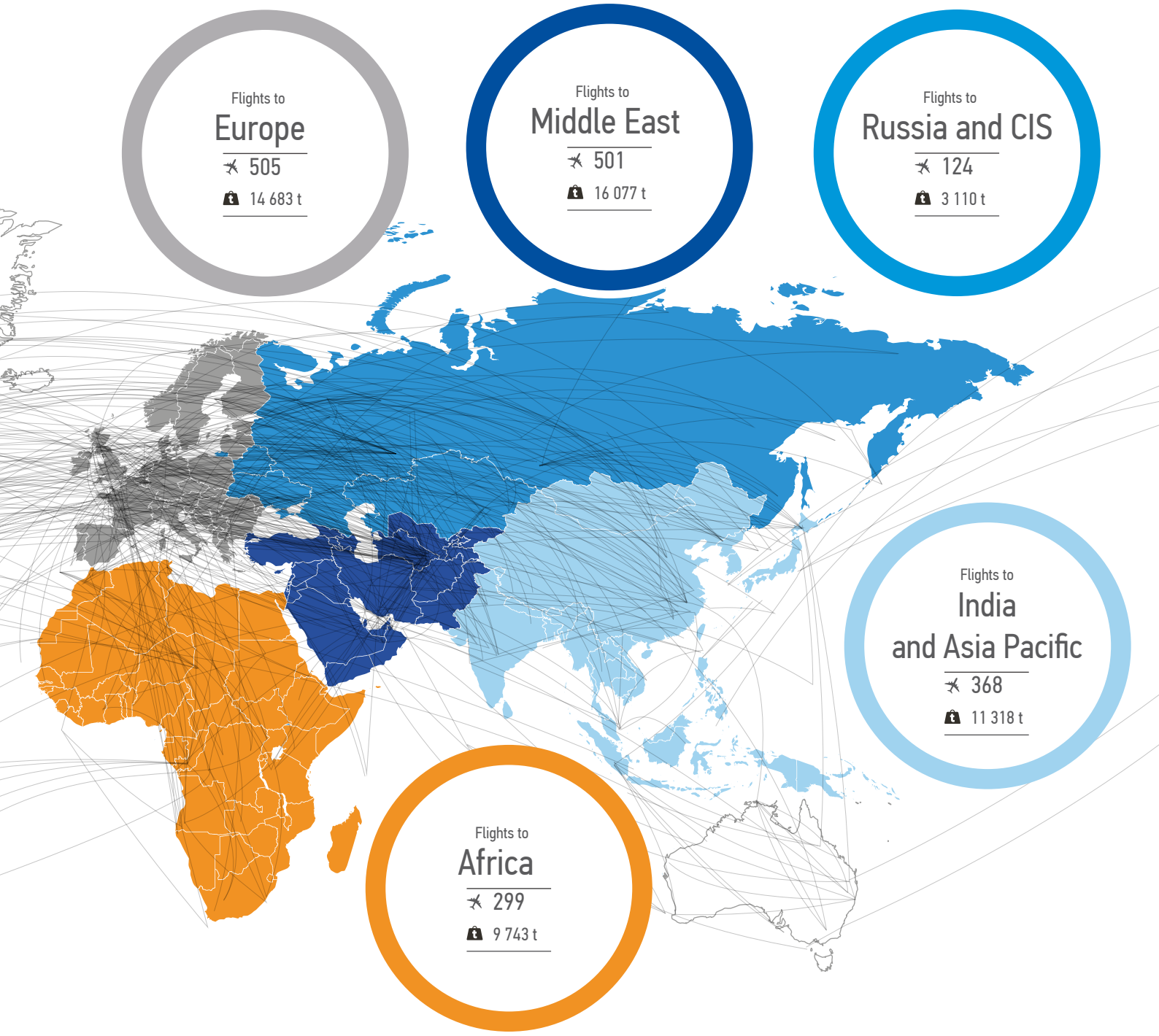
65 808

TONS



Clair Gunn
Key Account Manager
Volga-Dnepr

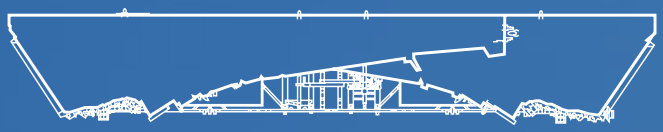
"We have gained a unique level of expertise in the movement of helicopters and have become the preferred transportation partner to many of the world's leading helicopter manufacturers and operators. They value our advice and knowledge and know we will always provide the best possible solution."



If you are planning a helicopter delivery, speak to one of the aerospace specialists at your local Volga-Dnepr office

CASE STUDY 3

BOEING 787 DREAMLINER WINGS



CARGO DESCRIPTION: AIRCRAFT WINGS FOR THE NEW BOEING 787 DREAMLINER

ROUTE: JAPAN-USA

WEIGHT: 52,000 KGS

DATE: MAY 2013

Volga-Dnepr is an Active Contingency Supplier for the Boeing 787 Programme.

To accomplish the secure and timely delivery of this pair of Boeing 787 wings, an international team from Volga-Dnepr Airlines in Russia and the UK, Boeing Corporation in the United States, and Germany's Broetje Automation GmbH created unique loading accessories and equipment to ensure the safe handling and transportation of this non-standard cargo to its final destination.

The loading system was designed using the CATIA three-dimensional modelling system.

The carriage of the Dreamliner wings demonstrates that by using Volga-Dnepr, Boeing's production schedule will not incur any delays.

AIRCRAFT & PARTS GLOBAL EXPERTISE

MAIN DIRECTIONS OF VOLGA-DNEPR FLIGHTS

SINCE 1990

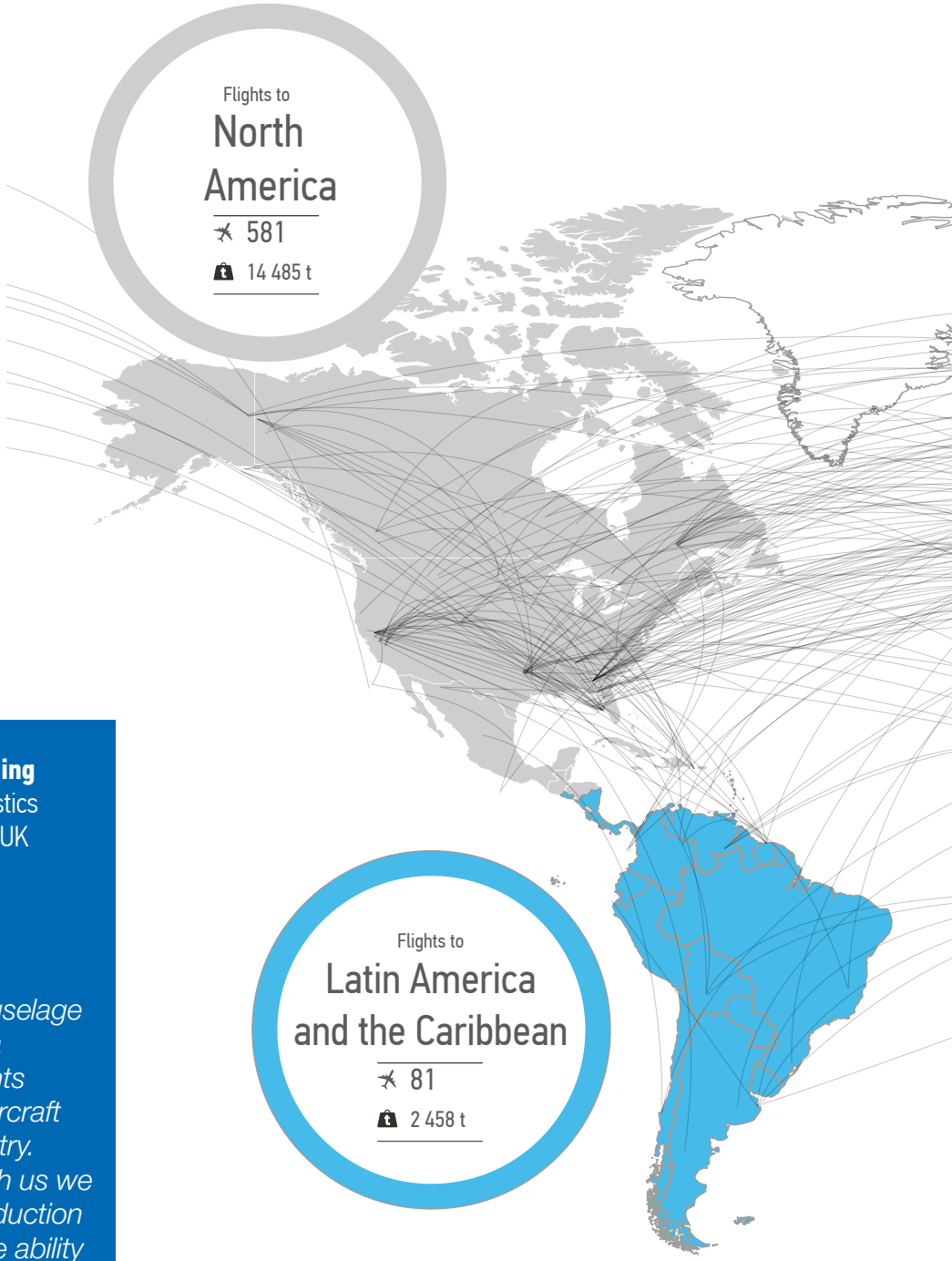
AIRCRAFT& PARTS

2 022

FLIGHTS

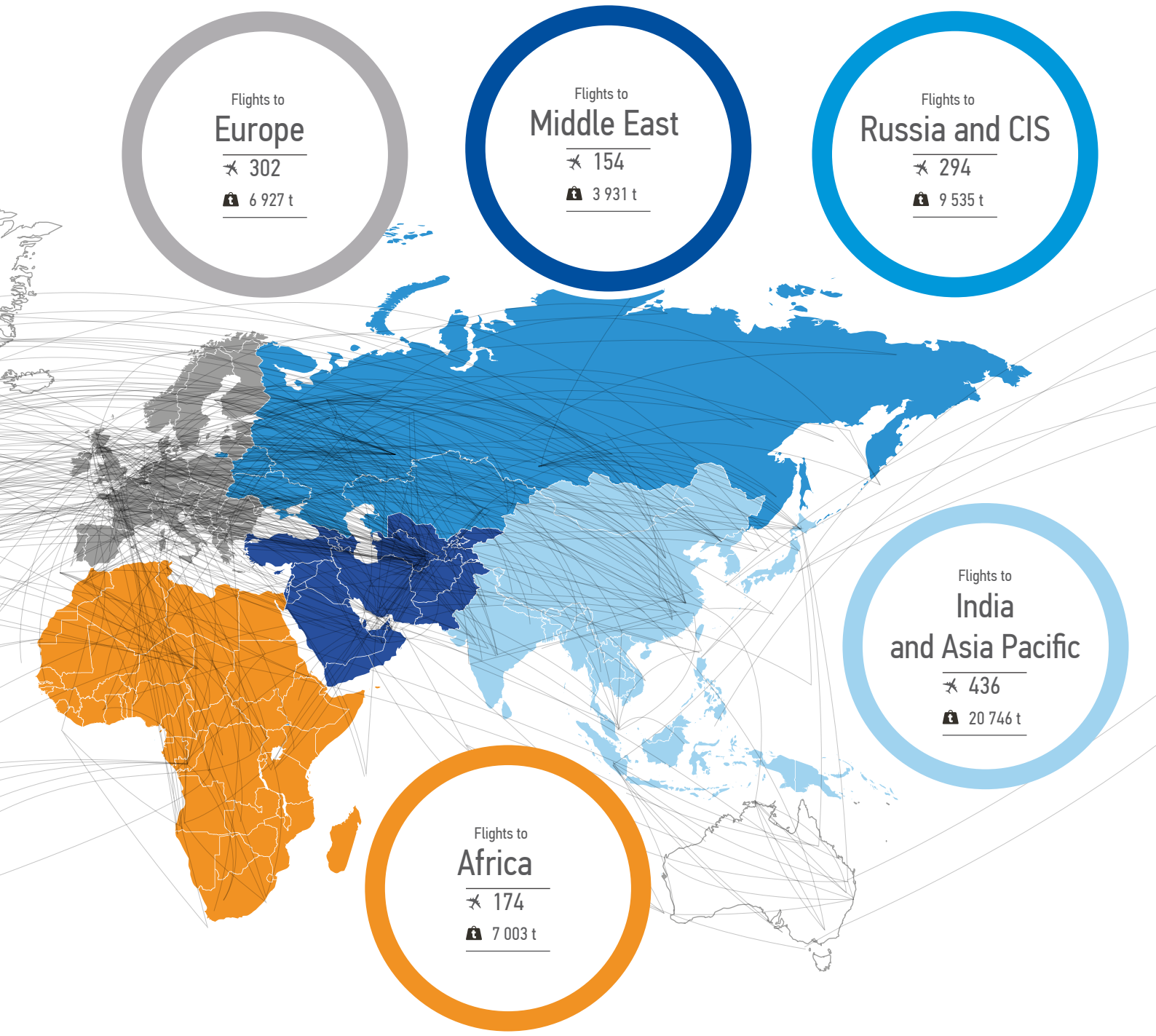
65 085

TONS



Steve Downing
Head of Logistics
Volga-Dnepr UK

"We have transported whole fuselage sections, wings, engines and a wide range of other components for leading companies in the aircraft manufacturing and parts industry. They know that by working with us we will ensure they meet their production deadlines and that we have the ability to manage even their most complex loads."



If you are planning an aircraft & parts delivery, speak to one of the aerospace specialists at your local Volga-Dnepr office

CARGO SUPERMARKET IN ACTION

VOLGA-DNEPR'S UNIQUE 'CARGO SUPERMARKET' CONCEPT IS DESIGNED TO OFFER CUSTOMERS THE MOST EFFICIENT LOGISTICAL SOLUTION FOR EVERY SHIPMENT, TAKING INTO ACCOUNT THE CHARACTERISTICS OF THE CARGO, THE ORIGIN AND DESTINATION POINTS, THE DELIVERY TIMESCALES AND BUDGETARY CONSIDERATIONS.

Over its more than 25 years of operation, Volga-Dnepr Group has established its reputation as a reliable air carrier, trusted partner, and world leader in the heavy and outsize air cargo market. This achievement is not only due to the unique and unprecedented capabilities of the Group's fleet of airplanes and its development of proprietary loading systems but, more significantly, because of the expertise and professionalism of its team of people who implement unique transport and logistics solutions for customers worldwide.

Volga-Dnepr Group's increasing engineering and logistics expertise has enabled it to expand its capabilities. It can offer customers a total logistics solution for 'door-to-door' deliveries and the completion of complex 'turnkey' projects, including engineering solutions for heavy and outsize cargo deliveries. In work, their logistics specialists use the Group's 25 years of experience in cargo transportation, the best intellectual and material resources of Volga-Dnepr Group, and cooperation with proven and reliable partners and sub-contractors.

The Volga-Dnepr team designs and delivers integrated end-to end logistics solutions or they can support customers by supplying some or all of the individual components they need to ensure a safe, secure and on-time cargo delivery. Always, their aim is to identify and deliver the most timely, efficient and economic solution for the customer.

CONSULTANCY, LOGISTICS AND ENGINEERING SERVICES:

Site visits to conduct engineering and technical assessment of cargoes for transportation

Consultancy ahead of the product manufacturing process to advise on transportation possibilities and requirements

Design and manufacture of special frames to enable loading and transportation of the cargo

Packaging advice and support to ensure the integrity of the cargo throughout the transportation process

Use of multi-modal services, including road, rail and sea transport

Sourcing of third party cargo aircraft if required to minimise costs for customers

Optimal route planning from production site to final destination

Ground support arrangements at airports for loading/ unloading, cargo delivery to/ from the airport and obtaining all necessary authorisations, approvals and permits

Assistance with customs clearance, insurance and warehousing of cargo

VOLGA-DNEPR'S ENGINEERING AND LOGISTICS EXPERTS ARE CONTACTABLE 24/7

BEST PRACTICE IN MOVING AEROSPACE CARGOES

Over 25 years of growth and development, Volga-Dnepr Group has attracted a highly-educated and highly-skilled workforce capable of tackling every aspect of the transportation and logistics process, however extreme and seemingly 'impossible' the challenge may seem.

Here are some simple steps to help ensure the seamless delivery of your cargo:

HELICOPTERS

1. If you have your own instructions for the transportation of your helicopter model, please send these to us for approval prior to shipment.

2. All closed space, such as fuel tanks, etc, must not be hermetically sealed in order to equalize the air pressure inside and outside of them during the flight.

3. Confirm with the airline how the helicopters are going to be transported, including which parts of the helicopters are to be dismantled and how to pack the dismantled parts.

4. The airline will ask you to approve its planned use of technology for loading and transportation. Please review it and either give consent or explain the reasons for any questions you have and everything possible will be done to find a solution.

5. Inform the airline about which components can be used for mooring helicopters. The airline will send you the provisional mooring scheme for approval.

6. Inform the airline if you have special requirements for the transportation (air temperature and pressure in the cargo cabin). During the flight, the pressure in the cargo cabin is lower. The air pressure in the cargo cabin of the An-124-100 transport aircraft may be reduced to 250 mbar.

7. Provide the airline with an accurate list of any additional load to be sent with the helicopter. This is required for load planning.

8. Supply information on any dangerous goods that form part of the cargo.

9. If you are planning to place an additional part of the cargo in the helicopter cabin, secure it in accordance with the maximum flight overloads in order to avoid damage of the cargo. Notify the company regarding this, specifying the weight of the additional piece, in order for the company to be able to complete the load planning and navigational calculations. Information regarding the maximum operating loads is provided to the customer in Appendix 2 of the charter contract. If required, this information can be provided separately.

10. Talk to the airline if you have any questions or concerns. Solving issues during the preparation stage will avoid any problems or delays during the actual transportation.

AIRCRAFT PARTS

1. For the most effective transportation of aircraft parts, such as the fuselage, wings and stabilizers, it is advisable to involve Volga-Dnepr at the design stage.

2. The airline will offer technical and logistics solutions for transportation and confirm the transportation methods.

3. The load must be equipped with appropriate rigging and mooring sites.

4. Cargo and its packaging must be capable of sustaining all maximum operating conditions during flight.

5. All confined spaces must have a connection with the environment to equalize the air pressure inside and outside of them in order to avoid damage.

6. Provide a complete list of the goods to be transported, showing the individual weight and size of each item. Packaging must comply with the airline's requirements.

7. When transporting aero engines, provide the engine drawings on the transport frame to be used.

8. Provide a list of any hazardous goods that form part of the shipment, indicating the UN number.

SATELLITE & SPACE CARGOES

1. Contact the airline to discuss transportation ahead of the design phase of the special containers or other transport devices to be used for the shipment.

2. Supply drawings of your cargo to the airline and confirm the required conditions of carriage. The airline will offer the most suitable type of aircraft and the best technical and logistics solutions.

3. Cargo and its packaging must be capable of sustaining all maximum operating conditions during flight.

4. The airline will propose the method of loading and confirm the requirements for preparing the cargo. The optimum, most mutually acceptable solution will be determined in the design phase.

5. Notify the airline of the presence of any substances or items classified as dangerous goods that form part of your shipment.

6. Change of pressure during air transportation must be considered in the preparation of the cargo. The airline will answer all customer questions relating to the conditions of carriage.

WHY CUSTOMERS CHOOSE US

VOLGA-DNEPR'S GLOBAL TEAM OF TRANSPORTATION, LOGISTICS AND ENGINEERING SPECIALISTS ARE READY TO SHARE THEIR EXPERTISE WITH YOU.

For over 25 years, we have been proud to serve customers all over the world. They come back to us again and again because they value:

- The expertise of our cargo transportation & logistics experts
- The unique operating capabilities of our aircraft fleet
- Our ability to provide an end-to-end logistics solution
- Our compliance with international safety and security standards
- Our ability to complete individual flights and projects on-time and on-budget
- Our global flight operations, even to remote regions of the world
- Our expertise in designing unique transport & logistics solutions
- Our ability to design and engineer handling and loading frames and systems that make air cargo services possible for unique, outsize and heavyweight cargoes

WHEN TO ENGAGE WITH US

We recommend you contact Volga-Dnepr at the earliest possible stage of your planning process.

For unique, outsize and heavyweight air cargoes, many customers involve Volga-Dnepr at the product design stage in order to ensure that they take transportation of the finished product into account before they begin the manufacturing process. By working in partnership with the customer, Volga-Dnepr's engineering and planning experts can offer advice such as simple modifications to the cargo, if required, that will ensure it can be transported, loaded and unloaded safely. This can result in significant cost and time savings.

Early planning will also help us to ensure the aircraft you need is available when and where you need it to move your shipment on-time.

Volga-Dnepr's unique 'cargo supermarket' services enables us to always find the most cost efficient solution for every cargo movement or project. Talking to us early in your planning and manufacturing cycle means we will be able to tailor our service offering to achieve the optimum of your cargo without having to incur any unnecessary delays or costs.

OUR TEAM OF EXPERTS IS AVAILABLE 24/7

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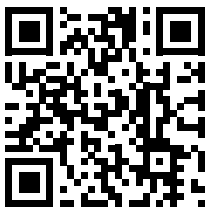
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