A white swan is shown in flight, its wings spread wide, against a clear blue sky. The swan's head is turned back, and its long neck is extended. The wings show a mix of white and dark feathers. The overall image conveys a sense of freedom and environmental harmony.

Cargo Climate Care – Our Contribution to Environmental Protection.

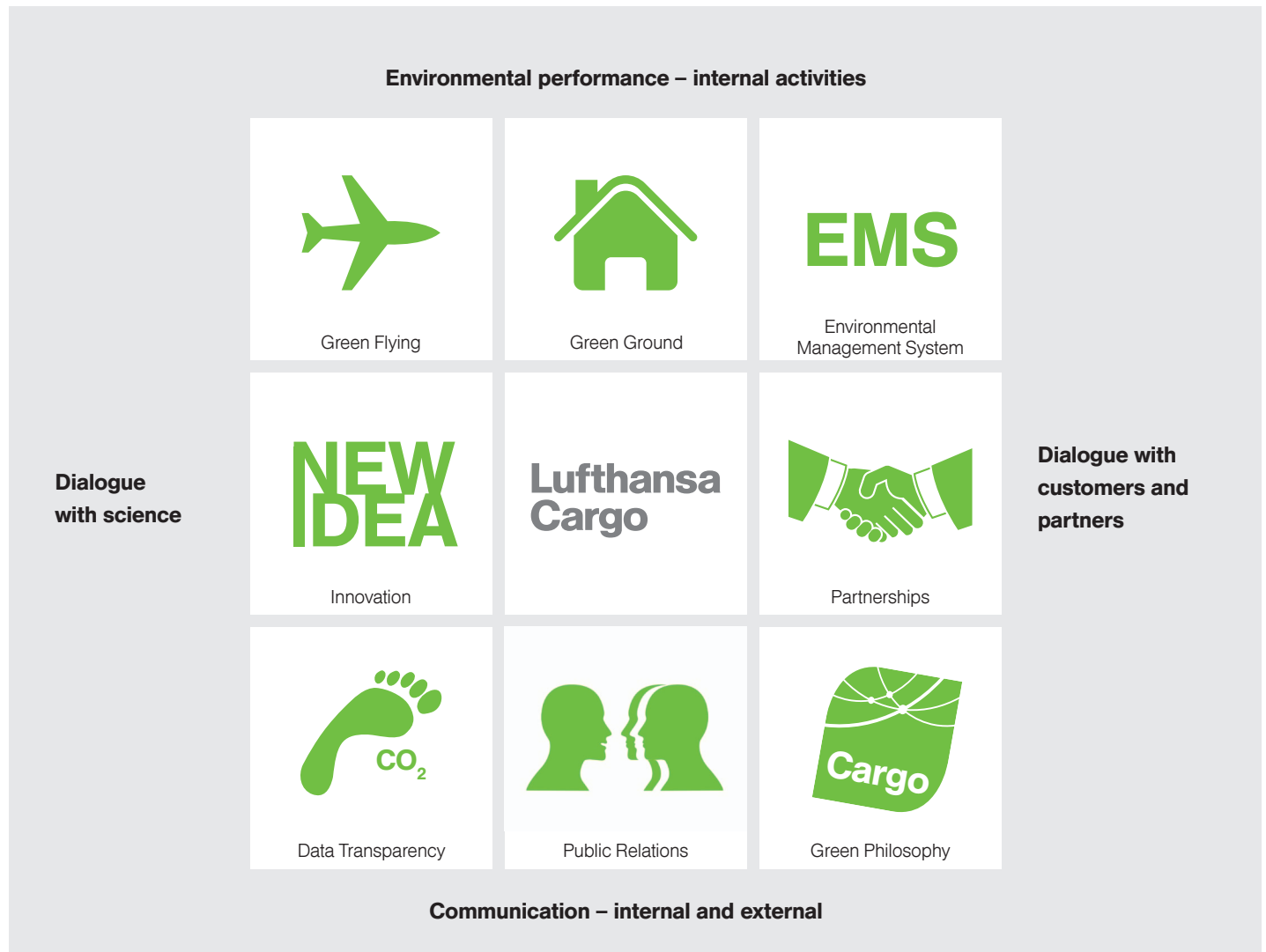


Lufthansa Cargo

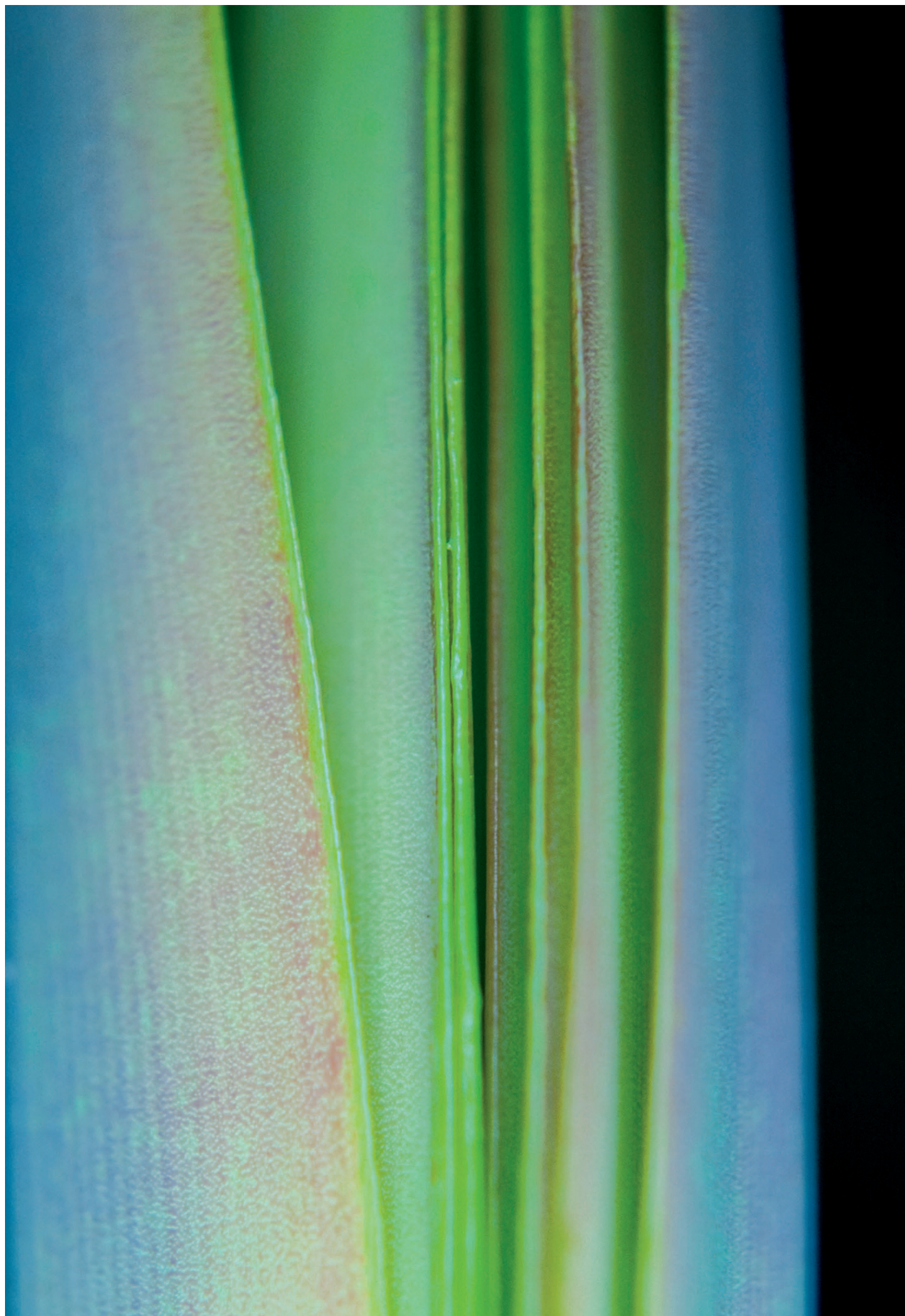
Networking the world.

The Lufthansa Cargo “Environmental Cube”.

The “Environmental Cube” developed by Lufthansa Cargo comprises eight action areas that serve as a strategic framework for the continuous improvement of environmental performance. The objectives defined in these action areas are regularly reviewed to determine the extent to which they have been achieved and what new measures can be added.



- **Green Flying:** Reduction of specific CO₂ emissions
- **Green Ground:** Reduction in energy and resource consumption
- **Environmental Management System:** Environmental Management System extension and maintenance of the certification according to ISO 14001
- **Innovation:** Investment in short-, medium- and long-term innovation projects
- **Partnerships:** Increased cooperation with customers on environmental issues
- **Data Transparency:** Improved reporting
- **Public Relations:** Continuous information
- **Green Philosophy:** Green Solutions



Environmental protection has long been a matter of vital importance for Lufthansa Cargo. We see it as our responsibility to minimize our environmental impact – and we take that responsibility seriously.

Therefore “Cargo Climate Care” is a corporate objective that we pursue strategically and consistently. The Lufthansa Cargo environmental guidelines, which regulate our actions in all areas, are a part of this. Our commitment also includes a forward-looking aviation concept developed in cooperation with IATA for a sustained reduction in CO₂ emissions.

In all of our measures targeted at comprehensive environmental protection, we focus on responding to shifting requirements and new developments with innovative, environmentally friendly and economically viable solutions. The Lufthansa Cargo “Environmental Cube” defines the relevant action areas to achieve this with the goal of continuously improving our environmental performance.

Environmental Guidelines.

Exercising environmental responsibility

In our operations we consume energy and raw materials and burden the environment with waste and emissions. We want to minimize these effects locally and globally as much as possible, in cases where prevention is not possible. This commitment to environmental care and resource conservation is an expression of our business responsibility, and one of the priority goals of our corporate policy. Compliance with regulatory and official requirements is a matter of course.

Creating transparency

We take concerns about our environmental impact seriously and are therefore committed to open information and constructive dialogue with our employees, customers, authorities and the public. Our Environmental Management System helps us to record and evaluate the effects of our activities and therefore is the basis of our communication and reporting.

Increasing environmental efficiency

Our Environmental Management System secures the planning and implementation of measures to meet our environmental objectives. The resulting ongoing improvement in operation processes helps us to work more efficiently and use fewer resources. We do not limit this to our direct sphere of influence; we also take upstream and downstream processes into consideration, and we include vendors, partners and service providers in our environmental goals.

Achieving sustainability

In order to achieve lasting improvement in our environmental performance, wherever economically and socially feasible we deploy the best technology available, use innovative processes and upgrade our infrastructure. We support the appropriate technologies and research projects as well as contribute our expertise to external initiatives and activities. Environmental care requires ideas and initiative, so we encourage employees to take responsibility and support their involvement with regard to the environment.

The Aviation Concept: Four Pillars for Climate Protection.

In view of the apparent climate changes measures to reduce fuel consumption go hand in hand with the need to further reduce worldwide CO₂ emissions. In close cooperation with IATA, Lufthansa has developed a four pillar model for climate protection that creates a framework for ongoing developments. Lufthansa Cargo regards this concept as an essential instrument for improving the environmental balance of aviation and thus an important part of reaching its stated target of reducing specific CO₂ emissions by 25 percent until 2020 – compared to 2005.

Technological progress	Operational measures	Improved infrastructure	Economic measures
<ul style="list-style-type: none">• Innovation in aircraft and engine technologies• Fleet modernization• Lightweight container	<ul style="list-style-type: none">• High loadfactor• Optimal flight routes and speeds• Optimized processes on the ground• Road feeder services	<ul style="list-style-type: none">• Improved use of airspace• Airport infrastructures adapted to needs	<ul style="list-style-type: none">• A globally applied emission trading scheme

LH Cargo goal for 2020: Reduction of specific CO₂ emissions by 25 % (basis 2005)

Technological progress

Technological developments have allowed the aviation industry to reduce its specific CO₂ emissions by 70 percent since 1970. If innovations in aircraft skin, aero-dynamics, materials, engines and electronics continue to be made and deployed, then additional reductions can be achieved.

Operational measures

The use of efficient aircrafts, improved ground processes and optimized flight routes and speeds are key operational measures that bring continuous reductions in specific CO₂ emissions.

Improved infrastructure

Infrastructure improvements in the air and on the ground offer substantial savings potential. The greatest potential lies in improved use of airspace (for example, through the Single European Sky) and the needs-oriented expansion of airport infrastructure.

Economic measures

The economic instrument of emissions trading complements the other three pillars. For ecological reasons, and to ensure fair competition that does not disadvantage the European aviation industry, emissions trading should be implemented globally.

For more information on our environmental commitment, see www.lufthansa-cargo.com/green



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