

Environmental Responsibility



Environmental Performance in 2019

Certified performance

ISO certifications:
ISO 9001:2015 Quality Certificate
ISO 14001:2015 Environmental Certificate



iLOQ also requires that external manufacturing partners have an environmental management system that satisfies the requirements of ISO 14001 or another internationally recognized standard.

Efficient utilization of materials and resources 2019

Materials: Metals and plastics

iLOQ concentrates on efficient use of raw materials and the recycling of process waste whenever possible. Raw materials only account for 1-3% of the total cost of our standard Oval and DIN locks.

Packaging: Recyclable board

All iLOQ products are shipped from our assembly plant in packaging made of recyclable cardboard. Inbound components are also mostly shipped in recyclable packaging.

Energy: 44 648.69 € (estimate)

iLOQ Group's (HQ and all subsidiaries) energy consumption consists primarily of data, HVAC and lighting, as well as assembly and R&D functions at the Oulu, Finland HQ. In most cases electricity is included in the rent, thus the figures are based on estimates.

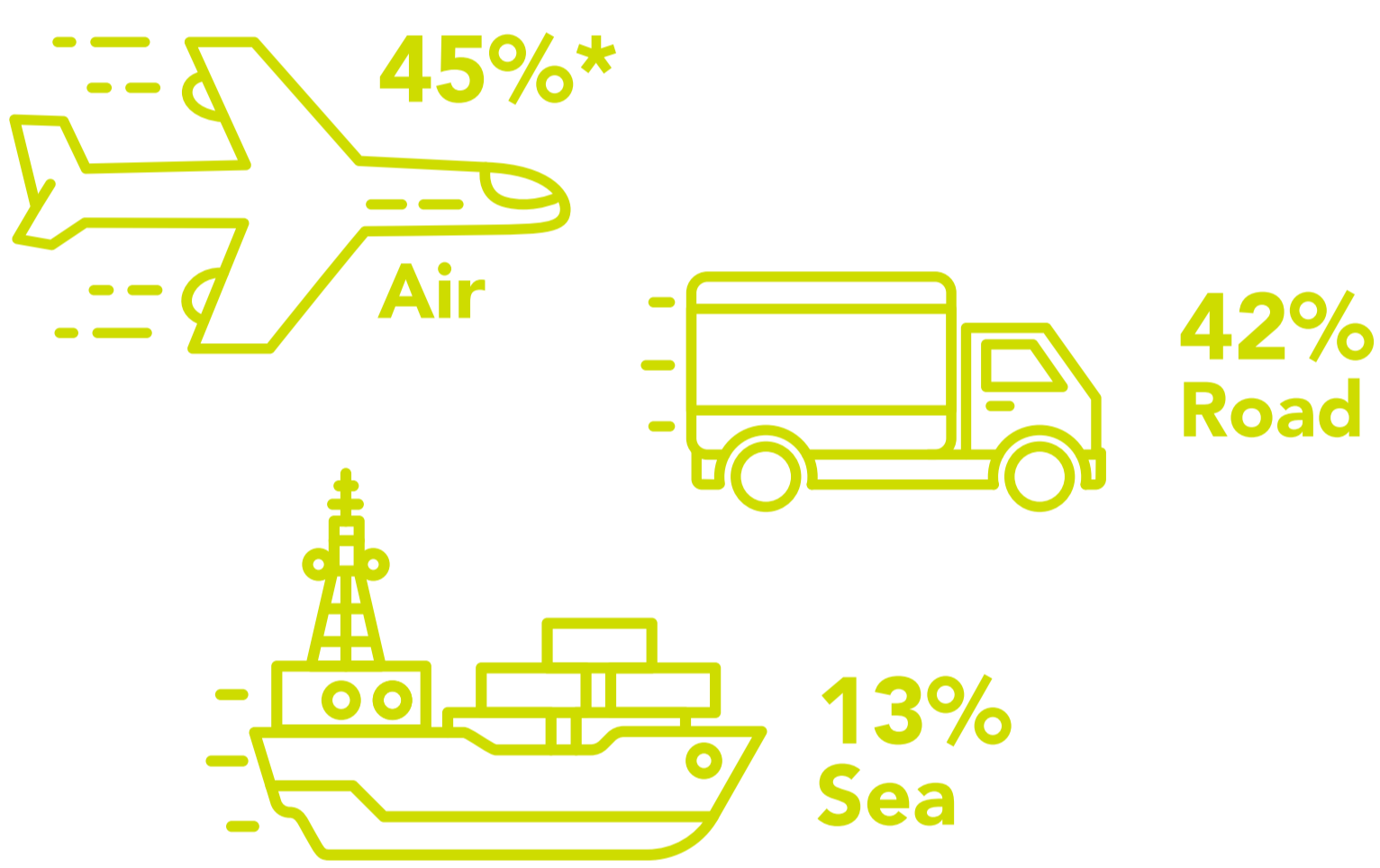
Water: No water used in our processes

iLOQ's product assembly processes do not use any water. Water consumption at iLOQ facilities is restricted to regular office use. The use of water in different iLOQ premises is included in the rent, providing no specific data on actual usage.

Effects of transportation

The outbound transportation mode for products from assembly to the customer is arranged at the request of the customer. Whenever possible, we recommend over land transportation over air freight.

Inbound & outbound transport share, of parts and materials;



*The share of air freight increased from 2018 to 2019 mainly as a result of PT (production transfer) to Malaysia. We aim to balance this share with sea freight during 2020.

The percentages are calculated based on material/shipment weights (kg).

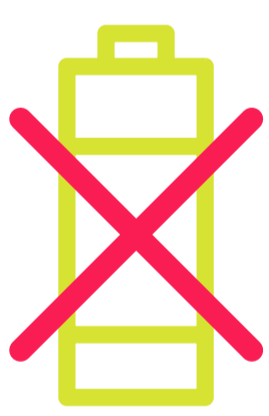


Recycling and waste management

Waste material handling is always carried out in compliance with local regulations at each iLOQ site. All metal waste from machining and tooling is collected and returned to the foundry to be reused. Waste sorting and recycling on premises is carried out with separate collection points for metals, electronic waste (according to WEEE), paper, cardboard and combustible energy waste.

Product Sustainability

No batteries



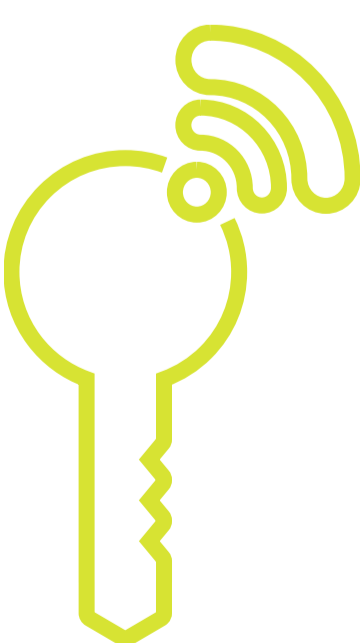
All iLOQ digital locking solutions are self-powered, with the power needed to confirm access rights and open the lock coming either from the kinetic energy produced by the motion of inserting the key into the lock (iLOQ S10) or from a smart phone used for access (iLOQ S50). This unique feature allows our customers to eliminate the need for a huge amount of battery waste each year.

Digital is environmental



Cloud-based digital access management reduces the number of needed physical local servers. Not only does this reduce the amount of physical hardware, which eventually ends up as electronic waste and scrap metal, it also optimizes the consumption of energy. Running one server rather than thousands of separate local servers, we are minimizing the amount of wasted energy. A local server, which spends 90% of the time powered up but inactive/on standby, still consumes energy for basic functions as well as cooling. Smart and secure cloud-based server solutions can drastically reduce energy consumption across the board.

Reusable and reprogrammable keys



All iLOQ keys are reusable and reprogrammable. This means that instead of becoming waste, they can be reallocated to work with a new or different set of locks within the same system. Reprogramming also includes blacklisting lost or misplaced keys, which eliminates the need for changing out entire locks for security reasons. This is how the smart digital nature of iLOQ solutions helps save raw materials in everyday use.

Built to last and perform



Creating durable and virtually maintenance-free products and solutions with an extended lifecycle means a reduced need for materials and hardware, as well as installment and repair -related travel, over the lifetime of your iLOQ solution.