PHILIPS

Image guided therapy

Environmental performance overview

For Azurion image-guided therapy platform

Doing business **responsibly and sustainably**

When you choose Philips, you are choosing a partner committed to meet sustainability and circular economy ambitions. As a leading health technology company, our purpose is to improve people's health and well-being through meaningful innovation, positively impacting 2.5 billion lives per year by 2030.

We aim to grow Philips responsibly and sustainably, and therefore continuously set ourselves challenging environmental and social targets, and live up to the highest standards of governance.

Our ambitious circular economy goals for 2025

For a sustainable world, we see the transition from a linear to a circular economy as a necessary boundary condition. A circular economy requires innovation in the areas of material, component and product reuse, as well as related business models. By using materials more effectively, we strive to decouple economic growth from the use of natural resources and ecosystems and create more value for our products and solutions. By 2025 we will aim to:

- Generate 25% of our revenue from circular products, services and solutions.
- Design 100% of our products and services in line with EcoDesign requirements, minimizing environmental impact.
- Offer a trade-in on all our professional medical equipment, and take care of responsible repurposing[1]
- Embed circular practices at our sites[2] and put zero waste to landfill

Product take-back, refurbishment and recycling

At Philips, we see huge opportunities to provide our customers intrinsic value through innovative service models, smart upgrade paths, product take-back and refurbishment programs. From 2020 onwards, Philips fully closes the loop on all large professional medical equipment that customers return to us. We will expand these practices until we have covered all professional medical equipment.

By 'closing the loop' we mean that we will offer all our customers a trade-in of the equipment and we will take full control to ensure all materials traded-in are repurposed in a responsible way.

Philips refurbishes professional medical equipment which can result in up to 90% of the material weight being reused, depending on the type and age of the product. For more information on our refurbished DiamondSelect collection, check our website: https://www.philips.com.au/healthcare/solutions/refurbished-systems

1 Either refurbished at Philips, or locally recycled in line with Philips policies
2 Including manufacturing and non-manufacturing sites, such as large offices, warehouses and R&D facilities
3 Determined via the COCIR SRI method. Compared to predecessor Allura Xper platform. Exact energy reduction depends on configuration

Azurion as your responsible choice

Philips Azurion is the next generation image-guided therapy platform that allows you to easily and confidently perform procedures with a unique user experience, helping you optimize your lab performance and provide superior care. The Azurion is the result of our EcoDesign process and offers significant environmental improvements.

With Azurion's industry leading image guided therapy platform, we reinforce our commitment to you and your patients. Our goal is to help you effectively meet today's challenges so that you are ready for the future.

Environmental benefits

100% product take-back
after customers' acceptance of our trade-in offer.

100% repurposing of the equipment that is returned to Philips

Up to 90% of material weight is reused during refurbishing,
depending on type and age of product

- Extended system lifetime. Technology Maximizer and end-of-life extensions, such as our SmartPath program, prevent untimely replacement and extend the lifetime of your product
- At least 10% lower energy consumption over total product life usage[3]
- Parts recovery during servicing
- Recycling passport available to ensure high-quality disassembly and recycling
- Instructions available to minimize energy consumption during usage
- Azurion is manufactured at a site certified for Environmental management (ISO14001), Energy Management (ISO 50.001) and Occupational Health and Safety (ISO45001)

Our EcoDesign process

Sustainable in each step of the system life cycle

We drive sustainability in all aspects of product creation through our EcoDesign process which conforms with standard IEC 60601-1-9: Environmental product design for medical electrical equipment. Our EcoDesign process includes life-cycle assessment (LCA) to determine the environmental impact at each stage of a product's life, from raw material extraction through materials processing, manufacture, distribution, use, repair and maintenance, and disposal or recycling.

Philips Azurion is a Philips EcoDesigned product, meaning it offers a significant environmental improvement in one or more of our EcoDesign Areas: Energy, Circularity, Substances, Weight & Materials and Packaging.

Energy[4]

- **Ready to Scan-mode:** 1.95 kW (monoplane), 3.44 kW (biplane)
- **Off-mode:** 0.26 kW (monoplane), 0.27 kW (biplane)
- **Energy usage/year at average use scenario:** 6627 kWh (monoplane), 11115 kWh (biplane)
- **Energy usage reduction:** 10-19%[5]

Substances

- **RoHS compliant:** yes
- **REACH compliant:** yes
- **Latex free:** yes
- **Mercury free:** yes

Circularity

- **Recycled plastic content:** 0%
- **Recycled metal content:** 5% - 35%[6]
- **Recyclability of system:** about 90% of weight consists of metals (steel, aluminum and copper) which are 100% recyclable
- **Recyclability of packaging:** up to 100% depending on the local recycler
- **Recycling passport available:** yes
- **Refurbishing program available:** yes
- **Material re-use during refurbishment:** up to 90% of weight[7]
- **Availability of spare parts:** over 10 years
- The lifetime can be extended by 2 to 4 years through our various upgrades and service offerings.

Weight and materials

- **Weight of average configuration:** 3071 kg (monoplane), 3849 kg (biplane)[8]
- **Environmental impact:** see figure 2

Packaging[9]

- **Total weight:** 1352 kg (monoplane), 1788 kg (biplane)
- **Wood:** 734 kg (monoplane), 837 kg (biplane)
- **Ferro metal:** 500 kg (monoplane), 795 kg (biplane)
- **Cardboard/paper:** 104 kg (monoplane), 136 kg (biplane)
- **Plastic:** 12 kg (monoplane), 16 kg (biplane)

Life Cycle Environmental Impact Assessment (LCA)
Figure 1

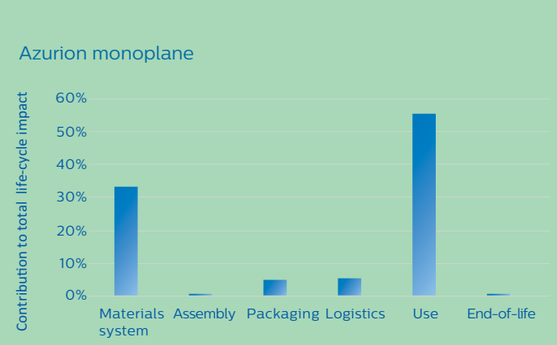
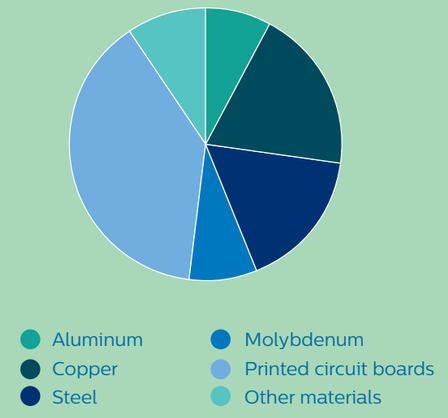


Figure 1 shows the relative contribution of the various life-cycle stages of the Azurion monoplane system as measured with Life Cycle Assessment (LCA) and is based on a life-time of 10 years. The main environmental impact is related to the electricity consumption of the system during use. This impact can be reduced significantly by using green/renewable energy. The contribution of the materials of the system is further specified in figure 2.

Environmental impact of materials
Figure 2



When looking at the material composition of the Azurion, the printed circuit boards have the main environmental impact.

4 Determined via the COCIR SRI method. Reported numbers reflect energy usage for average Azurion configurations with FlexVision and FlexSpot video options.
5 Compared to predecessor Allura Xper platform. Exact energy reduction depends on configuration.
6 Steel, copper and aluminum typically have respectively 25%, 35% and 5% recycled content as standard industry practice.
7 Depending on age of the system, 90% value is applicable to systems less than 3 years old.
8 Exact weight depends on configuration.
9 Numbers are indicative for an average Azurion configuration. Actual packaging is conditional and adjusted to shipment needs

Technical (environmental) details

Sustainable operations	
Environmental Management System	ISO 14001 and 50.001 certified
Supply management	Supplier sustainability program
Environmental impact of operations (manufacturing sites and logistics)	Climate neutral
Conditional packaging	Yes

Minimizing impact during use	
Measures to minimize radiation exposure	Yes
Instructions for energy saving	Yes
Instructions for efficient cleaning	Yes
Remote servicing	Yes
Repairable spare parts	Yes

System characteristics	
Video only-mode	Yes
Batteries	Alkaline, Rechargeable Li-ion, Lithium coin cells, (LEAD-ACID optional)

Substances

We require our suppliers to conform to the Philips Sustainability Agreement, which includes the Royal Philips Regulated Substances List (RSL) for products. The RSL includes substances banned by law or by Philips policies and declarable substances such as REACH substances of very high concern. Philips uses the online tool BOMcheck to collect material declarations from suppliers. BOMCheck is aligned with the IEC 62474 database of restricted and declarable substances and the IEC 62474 screening of REACH Candidate List Substances. A list of Philips Regulated Substances can be found here: https://www.philips.com/a-w/about/sustainability/downloads.html

Halogenated flame retardants
Our medical electronic equipment may contain halogenated flame retardants to meet fire safety standards. However, Philips is also committed to reducing the amount and/or replace it with less harmful solutions in our products. Suppliers are required by the Philips Sustainability Agreement to provide components and products conforming to the Philips Regulated Substances list, which restricts certain flame retardants (e.g. PBDE and PBB due to RoHS, HBCDD due to EU POP legislation, TCPP and TCEP due to US CPSIA act) and requires declaration of some flame retardants, e.g. TBBPA. Declarable flame retardants will be phased out when technologically and economically feasible and are replaced by a sustainable solution.

PVC and Phthalates
Professional medical equipment produced by Philips may contain polyvinyl chloride (PVC) as cable housing, and other product components, or as an additive or a contaminant to other plastics. The RoHS phthalates, DEHP, DBP, BBP, DiBP, are phased out per legal date July 2021. Packaging suppliers are required by the Philips Sustainability Agreement to provide all packaging materials containing less than 1000 ppm (0.1%) polyvinyl chloride (PVC) and PVC blends.
The product labeling does indicate PVC/DEHP content if applicable.

Biocides
Philips has adopted a strict biocide policy avoiding the use of biocides and only permitting them if no other technically feasible solution has been identified.

Bisphenol-A (BPA)
BPA is not intentionally added to our products although polycarbonates and epoxy materials present in our products can contain traces of the BPA precursor that is used to make these materials.

For additional information

Read more about our Environmental, Social and Corporate Governance (ESG) commitments here:
https://www.philips.com/a-w/about/sustainability.html

4522 991 67511 * MAY 2021

How to reach us
Please visit www.philips.com
healthcare@philips.com