Kodak Alaris’ Imaging Consumer Sustainable Solutions
Sustainability, or to give it the full definition “Sustainable Development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs.”

The Kodak Alaris Imaging Consumer Development and Commercialisation Teams work hard to ensure our all our newly launched equipment are a sustainable improvement compared with previous models. Improvements include the following.

- Use materials in manufacturing that are more recyclable, weigh less and have a smaller footprint.
- Consume less energy in operation and standby.
- Create less waste.
- Are upgradeable, require less servicing and are more durable so they last longer before requiring replacement.

This helps our customers to minimise their environmental impacts and operational costs wherever possible.

**Design:** Kodak Alaris’s Corporate Environmental Management System is certified to ISO 14001. The scope is “Governance and product stewardship for the environmental impacts of the Kodak Alaris product range, including the environmental oversight of product design, development and life cycles”.

Our commercialisation process is robust with a series of gates. All products must pass all the gates before they can be placed on the market anywhere in the world. Mandatory and voluntary issues are covered in the process such that restricted substances are not present in products or packaging.

**Manufacture:** Our manufacturing sites around the world also maintain ISO 14001 certification. Their environmental management systems, commit the facility to continuous improvements in reducing their adverse environmental impacts. These EMSs have been accredited by a third party.

**Use:** We choose ENERGY STAR™ qualified thermal printers for our newer kiosk and APEX systems such that less energy is consumed in operational and stand-by modes. This equals lower operational costs for our customers and reduced GHG (Greenhouse Gas) emissions (mostly CO₂) to the environment.

**Service:** In the UK our Kiosk and APEX Service Organisation has the Altius Assured Vendor Award, such that our customers know we have been accredited by an external 3rd Party for our environmental, health and safety management system.

**Voluntary Requirements:**
As well as meeting all mandatory requirements for equipment placed on the EEA market, such as EU RoHS, EuP and WEEE Directives, Kodak Alaris equipment also comply with several voluntary standards and agreements that demonstrate our commitment to sustainable solutions for our products and customers. We publish Article Information Sheets (AISs) for non-chemical consumables. Some of our photographic papers have PEFC chain of custody certification.
Our new **G20 Kiosk** was named after “G20 international economic forum” in which all 20 members are key markets served by our Image Capture products.

It was launched in early 2016 with several sustainability improvements compared with the earlier G4XL II and G4XL models.

Over the next few years we anticipate the G20 will replace thousands of older models reducing some environmental impacts and running costs for our customers; i.e. a truly sustainable solution.

At the heart of the kiosk is a Dell computer which controls the order station and LCD monitor. It is ENERGY STAR™ Compliant and has Gold Certification for EPEAT (Electronic Product Environmental Assessment Tool).

An intelligent power management feature provides off-hours remote access, reduced power consumption & system downtime associated with improper shutdown.

The touch-screen monitor, which contains no heavy metals and is a backlight by a LED, uses <0.5 W in off and <0.5 W in standby modes.

As the computer uses only 0.4 W in standby, both components meet the EU’s Energy Relevant Product (ERP) Directive limit for power consumption.

ECMA 370 Self-Declarations have been designed by industry and other stakeholders for international use.

They are free to download from ECMA in Switzerland. Each declaration has mandatory and voluntary sections that must be completed by the producer.

These Type II ecolabels cover many product environmental attributes similar to EPEAT; several manufacturers of electronic imaging equipment publish these declarations.

A Kodak Alaris ECMA 370 Declaration for the G20 kiosk is available to download from our internet site under Product Stewardship:-

[www.kodakalaris.co.uk/about/ehs/product-stewardship](http://www.kodakalaris.co.uk/about/ehs/product-stewardship)

ECMA 370s are designed to help stakeholders make a sustainable purchase decision.
Kodak Alaris dry labs called APEX (Adaptive Picture Exchange) are replacing photochemical processing operations saving photochemical raw materials and packaging. They come in models 30, 40, 70 and 110 and can be operated in almost all commercial and retail facilities.

We estimate every APEX lab installed saves our customer around 5,000 litres of water annually.

APEX uses 70 - 90% less energy than comparably sized silver halide (AgX) minilabs (based on electricity consumption testing of Fuji Frontier 340, Fuji Frontier 570, Nortisu QSS2711, Gretag Master Lab 742 minilabs) under typical prints per day.

APEX is highly modular and integrated (image is the 110) allowing our customers to optimise their business by setting up and walking away.

Our APEX and kiosks use fast and efficient thermal printers. Two of these are able to print duplex.

**Printers for APEX & Kiosks**

Consumables for APEX and kiosk printers include thermal papers and plastic ribbons which are coated with thermal dyes to create the images. Since customers tend to keep printed images for a long time, these seldom become wastes and so recovery is not relevant. In addition, given the nature of the imaging process and the confidentiality of the images formed on the plastic ribbons, these cannot be reused or recycled.

However, off-cut waste papers and used ribbons can be down-cycled into feedstocks for other lower grade recycling operations or sent for incineration with energy recovery. This is mentioned in our AISs.

Kodak Alaris voluntarily publishes Article Information Sheets (AISs) on its internet site. These give the composition of most non-chemical products and the European Waste Codes to help its customers manage their waste. These can be downloaded from our internet:-
http://www.kodakalaris.co.uk/about/ehs
The Circular Economy is a high profile program in the EU to promote jobs. It is also an example of sustainability to stimulate local industries in the Member States rather than export work to countries with cheaper labour costs and less stringent environment, health and safety laws.


However, this is not a new concept for Kodak Alaris! When part of Eastman Kodak the company was awarded the World Environment Council (WEC) Gold Medal for its Single Use Camera Recycling Program.

Although this particular product is no longer suitable for such a program, Kodak Alaris maintains such a remanufacturing process for its kiosks and APEX equipment. We are proud of keeping this operation inside the EU.

All items that our customers no longer require are collected across Europe and taken to our facility outside Stuttgart in Germany to be remanufactured for a new life.

In most cases the process upgrades the equipment with new improved operational features. All equipment taken back is cleaned, inspected and tested for compliance and wherever practicable put back into use.

Sometimes the equipment is returned to the same customer, but more often sold or leased at a much reduced price to another customer in Europe or Africa. This helps sustainability in other parts of EAMER, especially for customers that cannot afford the full new retail/lease price.

When equipment is beyond such use, it is broken down and the components used as spare parts for repairing other equipment.

This demonstrates our commitment to sustainable products and services and minimises the amount of Alaris WEEE in Europe.

We have some kiosks still in service in Europe that are over 15 years old!
Awards for our Papers and a Packaging Covenant

Kodak Alaris’s supplier of its Professional Photographic and Paper based in Germany has PEFC Chain of Custody Certification. PEFC is a global organization “Programme for the Endorsement of Forest Certification.

This award demonstrates our commitment to carry out our business with only sustainable partners. www.pefc.org/

Kodak Alaris applied to become a signatory to the Australian Packaging Covenant (APC) in 2016. We submitted our 5 Year plan in June which was accepted as a model example of a Plan.

Within the APC is a commitment to reduce the adverse environmental impact of our packaging supplied with our thermal printer kits around the world. We are looking at some redesigns.

What Next for Kodak Alaris & Imaging Consumer?

Kodak Alaris was formed in 2013 as a spin-off from Eastman Kodak and remains focused on developing sustainable solutions for our customers over all phases of product life. We have continued the legacy of George Eastman in 1888, in the way we drive business growth in a sustainable, socially responsible and ethical manner in our global operations as reflected in our commercialisation programs.

In 2016 we launched our 5-year environmental goals for the whole company that should result in a reduced adverse impact of our operations around the world. Our Imaging Consumer Division will be contributing to several of the company targets. One target is achieving reduced tCO2e emissions from our RSS kiosk equipment during the use phase. Another is to reduce the energy consumed in the manufacturing of our sensitised papers and thermal media. Finally, all our manufacturing sites around the world have committed to maintaining their individual ISO 14001 Certifications.

Over the past 2 decades we have placed new kiosks on the market that have a reduced environmental footprint compared with previous models. In 2016 we launched the G20 kiosk system and there will be another kiosk model with an even lower environmental footprint in 2017.

We also have an alternative tablet-based kiosk available which has a smaller environmental footprint. For more information on all aspects of our product sustainability and supporting management systems please see the EHS section on our internet site.

http://www.kodakalaris.co.uk/about/ehs

If you wish to contact us about any aspects of our sustainability or environmental performances, please send an email to EHS-Questions@Kodakalaris.com.

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