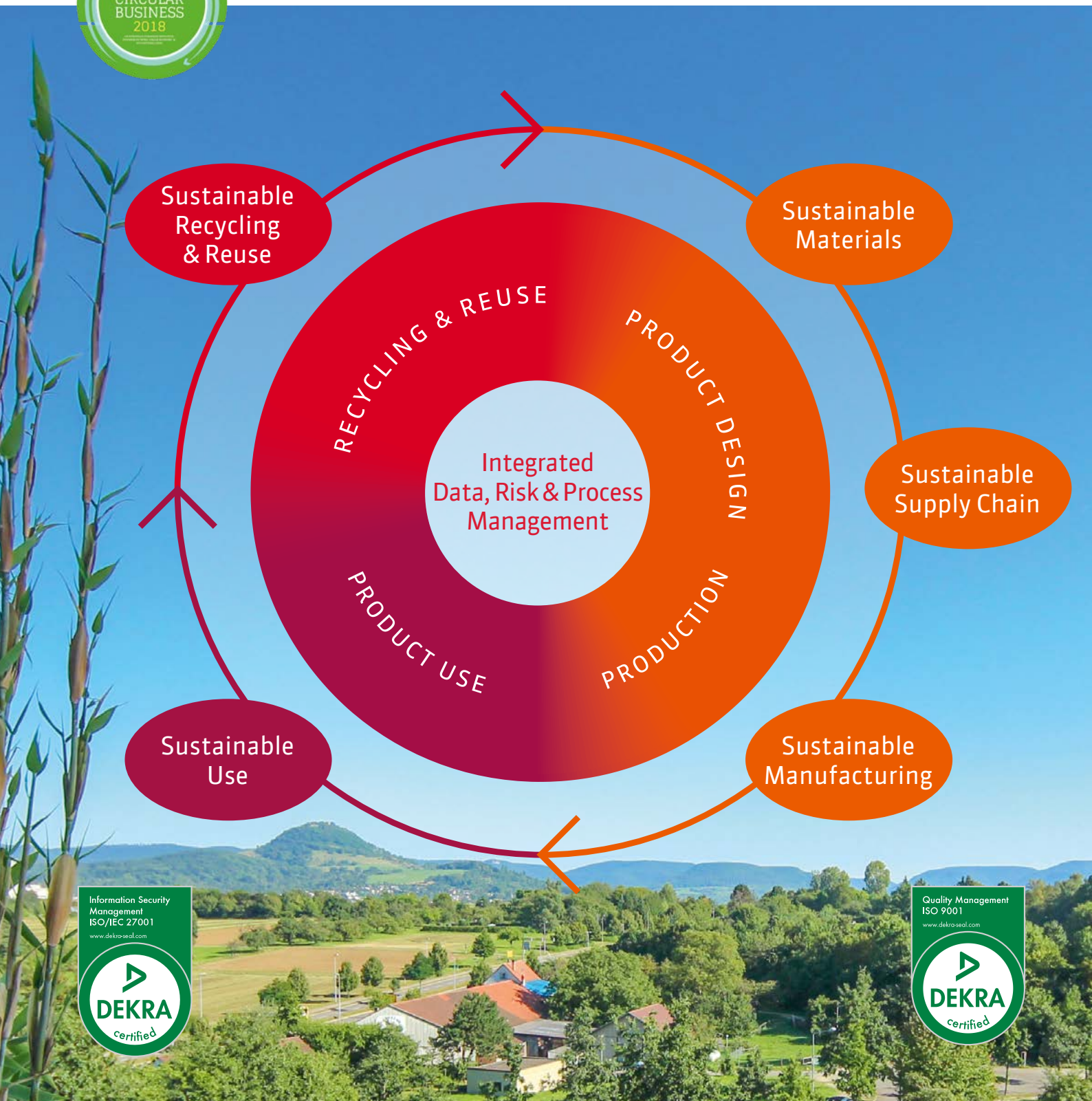
iPoint

Software & Services for Sustainable Products & Processes

COMPANY OVERVIEW • DIGITAL CIRCULAR ECONOMY • INTEGRATED SOLUTIONS

SCALING CIRCULAR BUSINESS 2018



Information Security Management ISO/IEC 27001
www.dekra-seal.com
DEKRA certified

Quality Management ISO 9001
www.dekra-seal.com
DEKRA certified

ABOUT iPOINT

in business
since
2001

14 locations worldwide

170+
employees

97%
customer renewal rate

60,000+
customers
from
110+
countries

250
leading global manufacturers

About iPoint

iPoint creates solutions to solve sustainability issues. Our leading software and services for environmental and social product compliance, process compliance, and sustainability open the door to the Circular Economy.

Tens of thousands of companies around the globe rely on iPoint's solutions for managing, tracking, analyzing, and reporting data across the whole value creation network and throughout the entire product life cycle.

iPoint's software and services support you in meeting and staying one step ahead of regulations and requirements such as REACH, RoHS, WEEE, ELV, EHS, Conflict Minerals- and Modern Slavery-related laws, as well as other trending developments and challenges governing product, supply chain, and enterprise stewardship.

iPoint's holistic, circular perspective envisages a continuous, digital system life cycle management process that supports not only compliance with the law, but also the sustainability of products, value chains, and brands.

Since our founding in 2001, we have been expanding the iPoint Group and our portfolio to realize our vision of building an integrated digital platform for the Circular Economy. The latest additions include: the ifu Institute for Environmental IT Hamburg, an industry leader in LCA and MFCA, and CircularTree, a Blockchain startup.

References

Worldwide, more than 60,000 customers from various industry sectors rely on our software and services – including the automotive, electronics, mechanical engineering, aerospace, textile and clothing, and shipbuilding industries.

Our customers range from smaller companies with less than 50 employees to S&P 500 enterprises with several thousand employees, including:

Adient • Aston Martin • Automotive Lighting • Becton Dickinson • Balluff • Bosch • Caterpillar • Daimler • Denso • Emerson • Ford • GM • Jack Wolfskin • Jaguar Landrover • Joyson • Lenze • Magna • Mahle • MTU Aero Engines • Nissan • PSA • Renault • Roche • SAIC • Scania • Sumitomo • TE Connectivity • Toyota • UTC Aerospace Systems • Volvo • Voith • Zimmer Biomet

Memberships

An active member in and partner of several international associations, we work together closely with various industries to provide software and service solutions for industry-specific standards and specifications.
Current memberships include:

Research & Development

iPoint is a renowned partner in international R&D projects. These projects include:

Live LCA (03/2018-05/2020)
Development of a Live LCA solution that will provide quantified sustainability information and cost transparency for each specific product and any production step. It will combine the methods Life Cycle Assessment (LCA, product view) and Material Flow Cost Accounting (MFCA, production view) and include live data for energy use, material consumption and waste generation. 5 partner organizations, in cooperation with InnoEnergy.

SustainBlock (02/2018-05/2019)
Creation of a Blockchain-based system for tracing certain raw materials from conflict-affected and high-risk areas – so-called Conflict Minerals or 3TG – across the entire supply chain via verified, cryptographically secured transactions. Funded by the European Partnership for Responsible Minerals (EPRM).

MultiMaK (03/2013-03/2014 and 01/2015-12/2018)
Design and development of assessment tools for ecologically optimized multi-material automotive components for mass production. Funded by the German Federal Ministry of Education and Research (BMBF).

> www.ipoint-systems.com/research

Awards & Certifications

iPoint is frequently recognized and certified for its high-quality, innovative, eco-friendly, and customer-oriented solutions, services, and work.

Recent awards & ceritfications include:

2019
- ISO 9001 Quality Management
- ISO/IEC 27001 Information Security Management
- One of the "Top 10 Compliance Solution Providers 2019" selected by APAC CIOoutlook Magazine

2018:
- One of the "50 Most Trustworthy Companies of the year" selected by The Silicon Review magazine
- One of 15 selected providers in the "Scaling Circular Business" initiative of the European Commission

2017:
- Verdantix "EH&S Innovation Award" with Emerson
- TOP 100® "Top Innovator 2017"

2016:
- TOP 100® "Top Innovator of the Year"

2015:
- Verdantix "Smart Innovators Badge for Product Stewardship Solutions"

2014:
- IPC "Distinguished Service Committee Award" for contributions to Conflict Minerals data exchange standard IPC-1755 development

2013:
- Gartner "Sample Vendor" in the areas "Sustainable Sourcing and Procurement" and "Life Cycle Assessment Tools"

2012:
- Gartner "Cool Vendor in Sustainability"
- TOP 100® "Top Innovator of the Year"

iPoint

Life Cycle Management for Sustainable Products

In order to move from a linear to a circular economic system, all actors need one thing in particular: information in the form of digital data – concerning materials and resources used, sourcing and working conditions, production and recycling processes, etc. All of this data must be collected and made available along the entire supply chain and in every single phase of a product's life cycle – while ensuring the quality, traceability, and the intellectual property of the data. This is an enormous task that can only be mastered by digital means.

The effort involved is worth it: With this data, it is possible to virtually simulate all phases of the product life cycle as early as in the design phase and thus create a digital twin of the product. With detailed data on the substances, articles, and mixtures contained in products, combined with the consideration of their entire life cycle, companies are able to adequately assess risks, predict impacts, and prepare for future recycling and reuse. Achieving this kind of System Life Cycle Management is an essential part of what we at iPoint call "Digital Circular Economy".

With our software solutions and services we're here to support you on each step of the way.

iPoint — your expert for digitalizing the Circular Economy.

What is in your product and its components?

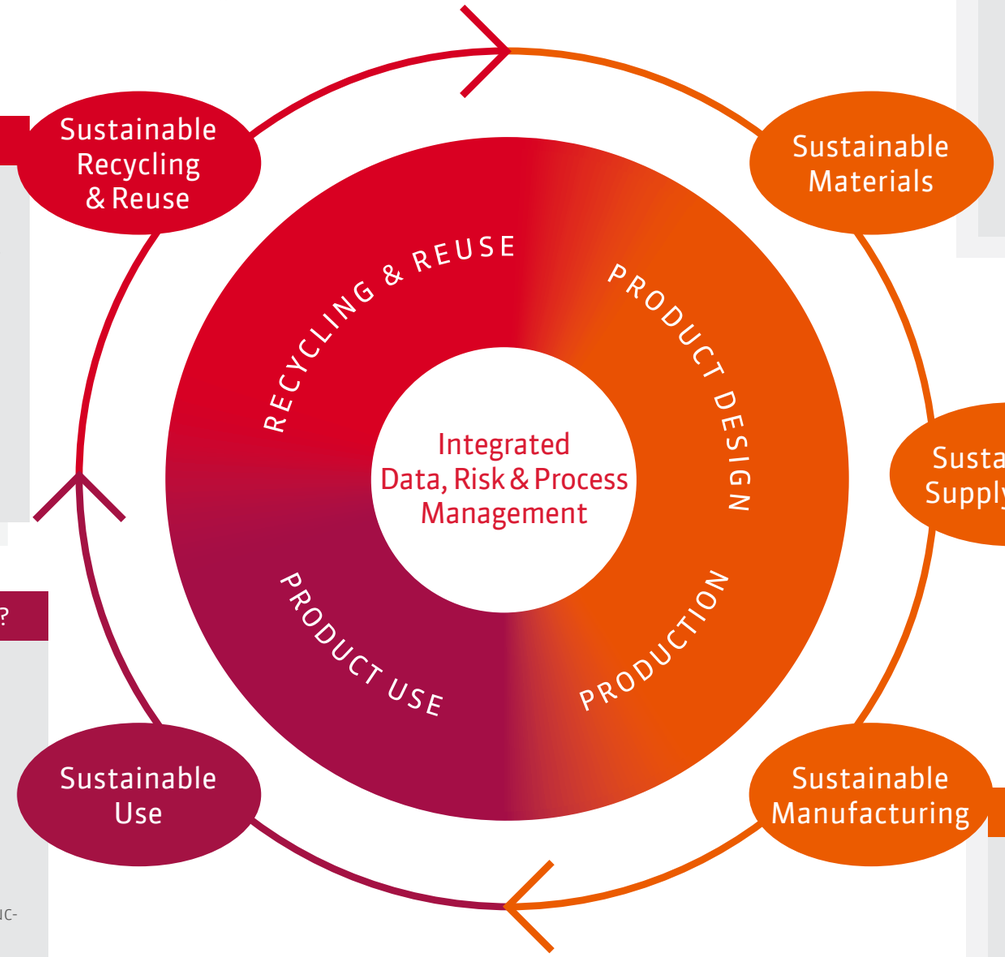
Which ingredients are best for compliance as well as sustainable production, use, and reuse? Start with international legal material compliance and take the next step towards sustainable materials using the data gathered from your supply chain and manufacturing plants for Life Cycle Assessment, Alternatives Analysis, and a Circular Design for Sustainability.

- **Environmental, Social, and Economic Material Qualification**
- Material Compliance (REACH, SCIP, RoHS, Cal. Prop. 65, TSCA, ELV incl. IMDS & CAMDS, etc.)
- CE-Labelling (IEC 63000/EN50581)
- Sustainable Procurement (ISO 20400)
- Substance Database incl. Chemical Inventory: Substance, Mixtures & Articles Management (SAM-M)
- Use data for Alternatives Analysis, Life Cycle Assessments, and Design for Environment & Sustainability.

How can materials best be recycled & reused?

Gather the necessary information and simulate various recycling processes to meet designated reuse and recycling rates. iPoint offers complete support in defining pre-treatment, disassembly and shredding procedures as well as documenting the material flow for all processes.

- **Recycling & Reuse Management**
- Reverse logistics (WEEE)
- ELV RRR (e.g. ISO 22628, China ELV GB/T 30512-2014)
- Upcycling, Downcycling



Get a grip on your supply networks up to their sources

Collect and provide relevant compliance and sustainability data: What substances and materials are used? What are they used for? Where do they come from? How are they sourced, refined, processed, produced, handled, and delivered?

- **Environmental, Social, and Economic Source & Supplier Qualification**
- Sustainable Procurement (ISO 20400)
- Monitoring of exemptions (e.g. REACH & RoHS) and Safety Data Sheets (SDS) in the supply chain
- Social Compliance (CSR, Conflict Minerals, Modern Slavery, Human Trafficking, etc.)
- Use data for Risk Management and Supplier Rating

What impact do your products and processes have?

Combine predictive projections with real-life data and customer information: How are your products used? What impact do they have on the environment? Which information must be made available to customers and consumers?

- **Environmental, Social, Economic Impact Assessment**
- Life Cycle Assessment (LCA) including Environmental Product Declaration (EPD) and Carbon Footprinting
- Alternatives Analysis
- Quick availability product information & safety use instructions (REACH Art. 33, RoHS, etc.)
- Full where-used list (cross-reference)
- Full BOM and BOS including all substances, articles, mixtures, and materials
- Collection of customer experience data for the Digital Twin, product improvement

Make your production safe, compliant & efficient

Improve your production processes, plants, and sites: How is a product manufactured? What risks and obstacles may endanger your staff as well as your processes? Which resources are used where, in which amounts, and for which product? Are the resources used in the most efficienct way?

- **Environmental, Social, and Economic Manufacturing Qualification**
- Environment, Health & Safety Management (EHS; including ISO 14001)
- REACH-compliant Process Materials
- Resource efficiency (Energy, Water, Materials)
- Material Flow Analysis (MFA)
- Material Flow Cost Accounting (MFCA)

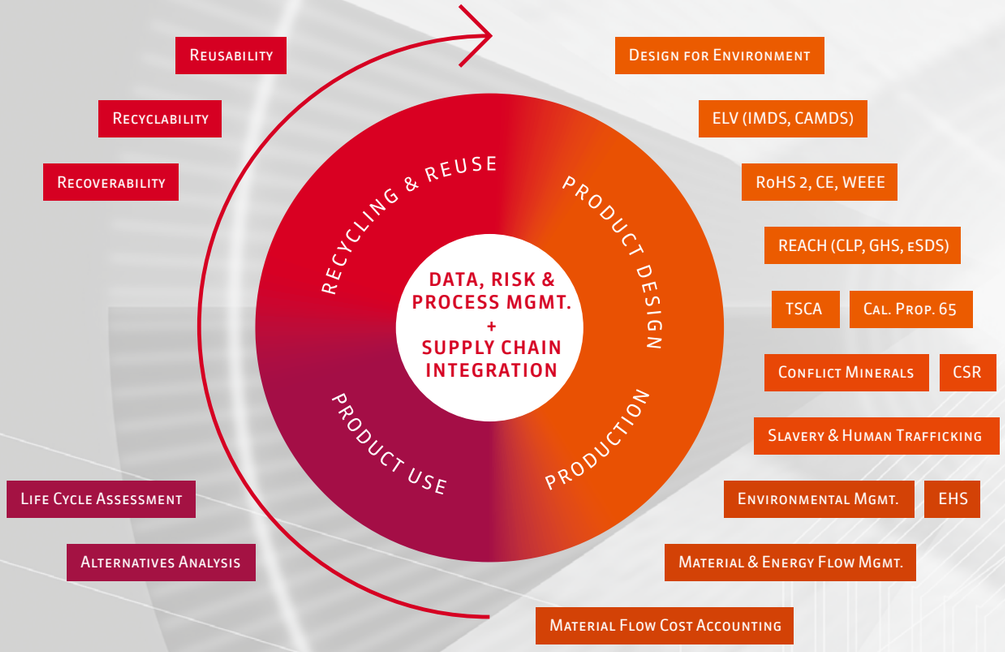
Use the data right where you need it

iPoint is your specialist for integrating relevant data and analysis results from external and internal sources into your existing system landscape.

- **Integrated Data & Risk & Process Management**
- Integration into PDM/PLM, ERP and EHS systems, e.g. SAP®, Teamcenter®, Windchill®, Enovia®
- Integration into CAD/CAE systems, e.g. MaterialCenter®
- Monitor compliance and risk status according to legal and customer requirements
- Monitor sustainability status and performance

INTEGRATED SOLUTIONS

The Challenge: Compliance & Sustainability throughout the entire Product Life Cycle



iPoint's modular solutions for the challenges in a closed-loop product life cycle.

The iPoint Solution: Integrate, Scale & Automate

iPoint's software and services simplify, support, and automate external and internal data collection as well as the subsequent processing and deployment of these data to the required external systems and data formats.

Reporting and communication requirements regarding the **ecological, social, and economical compliance and sustainability of products and production** are increasing sharply. Companies all over the world must comply with a growing number of international regulations such as ELV, REACH, RoHS, CSR, Conflict Minerals, EHS, and many more.

In addition, companies have to meet **customer specific requirements** as well was their own individual sustainability goals – targeting more and more at a comprehensive Circular Economy approach with integrated Life Cycle Assessment and recycling solutions to close the loop and to enable predictive Design for Environment and sustainable products. This has an enormous impact on each and every plant or subsidiary, as they all have to conduct their own painstaking impact analyses to determine what they have to test, communicate, and document for substances, mixtures, parts, and finished products.

To do this, **huge amounts of data** have to be requested, collected, processed, and exchanged. With every change of regulation, with every new supplier, and each new or modified product companies are thrown back to square one. The same questions have to be answered time and again, e.g.

- Which information is required?
- Has information already been requested and by whom?
- Who can provide which piece of information?
- What is the current status?

Our **market-leading software solutions for product and process compliance and sustainability** grow with your requirements and challenges. They are highly flexible, highly scalable, and offer numerous possibilities for extension as well as integration into existing process landscapes.

With iPoint's **secure and reliable business process management solutions and our cloud platform for supply chain integration**, you can efficiently reduce the risk of compliance violations and effectively advance sustainable product development and design for circularity. Depending on your requirements, you can use and customize various solutions and functions for your specific processes, products or product groups.

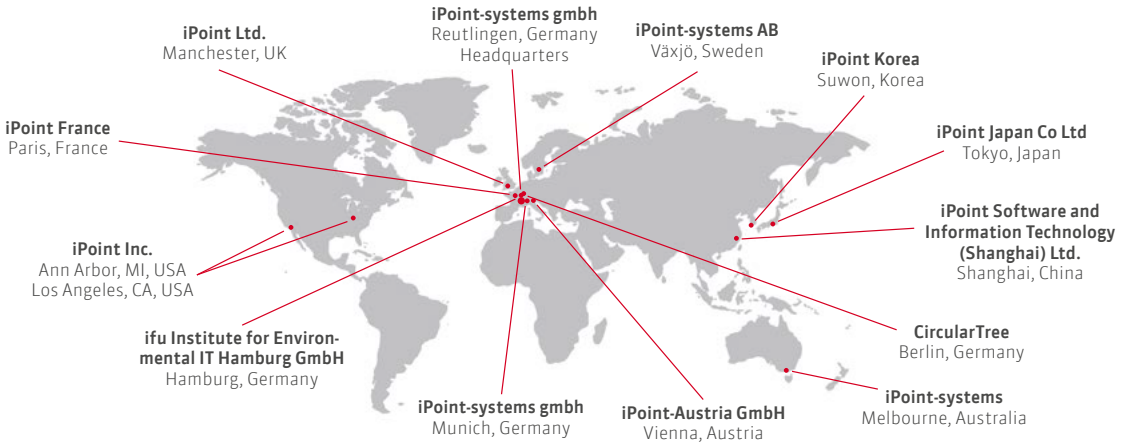
Our software solutions and services enable you to efficiently and effectively:

- **Comply with international and national standards, laws, and regulations** (e.g. ELV, RRR, IMDS, CAMDS, RoHS, REACH, SCIP, RRR, EHS, Conflict Minerals, Anti-Slavery),
- **Meet your further sustainability goals** (e.g. CSR, ESG, Sustainable Sourcing, closed-loop supply chains, resource efficiency, Circular Economy, upcycling, Life Cycle Assessment, Desing for Environment),
- **Implement highly efficient and adaptive compliance and sustainability processes** into your existing system environment,
- **Integrate your strategy for sustainable products** into your long-term business objectives.

Compliance is the first step towards sustainability.

Sustainable products and processes are preconditions for a Circular Economy.

THE iPOINT GROUP



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