



iPoint

iPoints

The customer magazine of iPoint-systems

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Digital Circular Economy





A CIRCULAR STORY OF USE AND REUSE

Imprint

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Chris N. Bayer

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David's work computer is giving up the ghost. He approaches his company's internal IT department and requests a new computer. Three days later, David has a new, ready-to-operate computer on his desk. His old computer has been picked up and is being analyzed as to whether it will be refurbished and resold on the IT secondary market or whether it will be recycled in accordance with WEEE standards.

Dear readers,

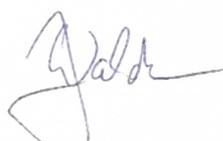
This is no utopistic scenario in the future, but lived reality at iPoint. We are cooperating with a partner who supports us in the acquisition of new and the recycling and reuse of our used computers in the spirit of an ecologically responsible Circular Economy.

The sustainability news service GreenBiz proclaimed 2017 to be the "year of the Circular Economy revolution", the year in which this concept evolves from a trendy buzzword to profitable action with far-reaching ecological, social, and economic effects – for consumers and companies.

In this day and age, when the sustainability of products is increasingly becoming a legal obligation, Circular Economy-based solutions for integrating compliance and sustainability data offer a competitive advantage. For many years now, iPoint's circular solutions portfolio has been supporting you in ensuring the legal compliance as well as the sustainability of your products throughout their entire life cycle – flexibly, integratively, and in a pioneering way.

In this magazine we've compiled a few highlights for you. I hope you enjoy the read, and I look forward to our future cooperation!

Best regards,



Joerg Walden, CEO iPoint-systems



iPoint & ifu Hamburg @ AIAG CR Summit: Erica Graunstadt, Martina Prox, Melissa Krikorian, Marc Church, Andreas Schifflleitner & Tolga Yaprak.

LIVE LCA

Presentation at AIAG CR Summit 2017

On May 2 and 3, iPoint attended the AIAG Corporate Responsibility (CR) Summit in Novi, MI, as a sponsor, exhibitor, and speaker. iPoint's Andreas Schifflleitner and Martina Prox from the Hamburg Institute for Environmental IT (ifu) presented on "Live LCA – Automation of Life Cycle Assessment by Combining Energy Management Data and IMDS" at this must-attend event for anyone involved in CR and sustainability management at companies in the automotive and heavy equipment industry and technology sectors.

CONFLICT-FREE SOURCING

iPoint Joins CFSI

iPoint recently joined the Conflict-Free Sourcing Initiative (CFSI) as a Vendor Member. "We look forward to working with iPoint to advance broad-based, multi-industry action to support responsible sourcing practices across supply chains", says Leah Butler, CFSI Program Director. The CFSI is one of the most utilized and respected resources for companies from a range of industries addressing Conflict Minerals issues in their supply chains.

CAMDS

Online Tutorial: "First steps in CAMDS"

Automotive companies are required to collect data not only for IMDS, but for CAMDS (China Automotive Material Data System), too. iPoint's new, interactive online tutorial "First steps in CAMDS" provides support for the following workflows: 1) Start CAMDS, 2) Register company, 3) Log in to system, 4) Create data record, 5) Send data record. You can complete the tutorial at your own pace from wherever you are located, all you need is a standard web browser. Request a non-binding offer here:

➔ <http://tinyurl.com/camds-tutorial-de>

New Office in L.A.

On January 1, iPoint opened a new office in the greater Los Angeles area. With the new US office, located in Valencia, CA, our constantly growing customer base on the West Coast now benefits from a direct and on-site point of contact. This important step consolidates our growth in North America and supports our multi-local approach to providing regional offices close to our customers and business partners. iPoint maintains its Americas headquarters in Ann Arbor, Michigan.



Dan Hertzberg, Senior Director U.S. Sales, at his new desk.



iPoint CEO Joerg Walden at the award ceremonies for "Innovator of the Year 2016" with TOP 100 mentor, journalist, and TV moderator Ranga Yogeshwar.

ALWAYS ONE STEP AHEAD

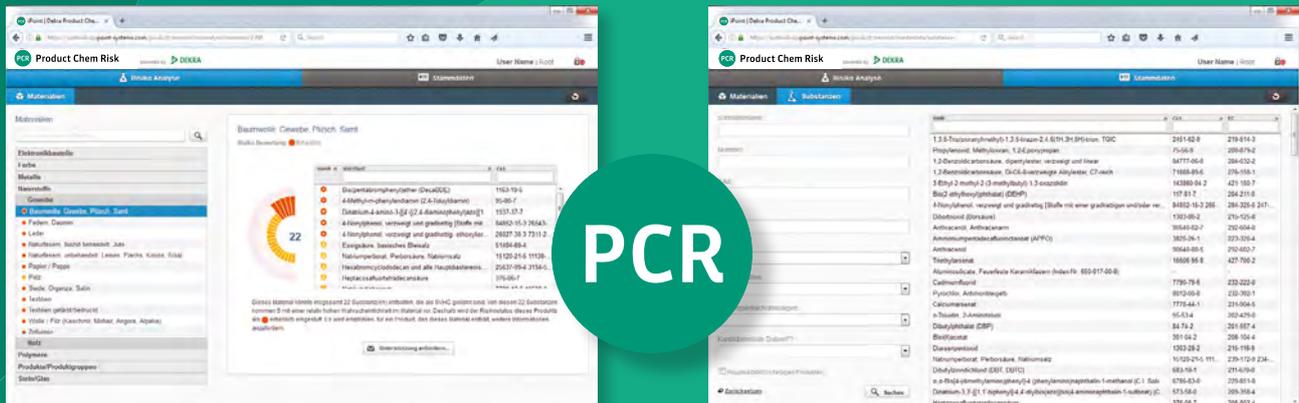
Innovation@iPoint

 The objective of innovation management is to turn great ideas into financially successful products or services. This process used to take place mainly in-house and behind closed doors. Today, companies are increasingly pursuing an open culture of innovation. iPoint's "Agile Sustainable Open Innovation" approach – ASOP Innovation, for short – actively involves clients, employees, and other stakeholders in innovation projects. "Together with our ongoing monitoring of relevant standards and trends, this enables us to develop software solutions that are always one step ahead", declares iPoint CEO Jörg Walden. The fact that since its founding in 2001 iPoint has succeeded in becoming global market leader four times with a specific solution within just three to five years attests to this approach. Our ASOP Innovation approach has also greatly impressed the TOP 100 jury that crowned iPoint "Innovator of the Year" in June 2016.

In the TOP 100 competition designed to reward those SMEs seen as the most innovative, iPoint has been crowned overall winner in category B (companies with between 51 and 250 employees). Having already taken top spot on the winners' podium once before in category A (firms with up to 50 employees) back in 2012, this makes us the first company to be victorious in two different categories in this competition. This was preceded by an exacting selection process founded on scientific evaluation criteria, during which we answered questions relating to 100 parameters in five different evaluation categories.

According to the statement made by the TOP 100 jury, "The approach combines a number of the latest methods of innovation management in a highly exemplary manner. It positions the innovative capability of the entire company, the opening of innovation processes, and the development of an innovation-encouraging culture at the heart of and as the goals of all activities."

March 2017 saw iPoint receive yet another accolade: the leading German business newspaper "Handelsblatt" inducted our CEO and founder Jörg Walden into the community of Germany's 100 most important innovators and brightest minds. Walden has long realized that innovation no longer takes place behind closed doors. "The pursuit of sustainability goals is at the very heart of iPoint's focus and strategy. Since classic management systems fail due to the level of complexity in our industry, we have to employ agile procedures and practices that only display their full impact when combined with the right culture of innovation." For Walden, innovation is all about developing "new, surprising and useful ideas and putting them into practice." It's no accident that this approach is rooted as a core brand value at iPoint. We have always based everything we do on an open, continuous culture of innovation, a high degree of customer focus, a global network of partners, and the systematic monitoring of relevant standards and trends. This enables us to always remain one step ahead of others when it comes to developing cutting-edge solutions – so that we can offer you tomorrow's solutions today.



PCR

Risk analysis: The Product Chem Risk app shows how many REACH-relevant SVHCs this material could contain.

Search for substances by name, CAS registry number, EC number, group, usage restriction or the date they were added to the Candidate List.

SUSTAINHUB

New: Product Chem Risk App

The number of legal provisions governing hazardous substances in products has increased dramatically over the past years around the globe, due in part to the United Nations Environment Programme (UNEP). With its regulations governing SVHCs (Substances of Very High Concern) in products, the European Union's REACH Regulation that came into force in 2007 has led to a significant inflation of the requirements. The ruling of the European Court of Justice on September 10, 2015 in which it laid down the principle of "once an article, always an article" gave Article 33 of the European Chemicals Regulation a new focus. With this, the reporting obligation applies to all articles incorporated as components of a product. Importers of goods face an enormous challenge to identify potentially harmful substances in purchased products.

SiM Database

In 2009, the technical inspectorate DEKRA decided to find a solution to this problem and it developed the "SiM DB" (Substances in Materials Database), which specifies for each substance in the REACH SVHC candidate list the materials in which it is typically present. This simple Excel tool has since been continuously expanded and now contains more than 160 of the REACH candidate substances as well as almost 150 groups of materials, such as paints, thermoplastics, thermosetting plastics, metals groups, and many more. The data have been compiled from various databases, databases created by chemicals suppliers, and dossiers, but also from the expertise available in and the findings of DEKRA's own lab.

Product Chem Risk (PCR) App

DEKRA first presented a cloud-based version of this database at last autumn's iPoint Symposium. The "Product Chem Risk" (PCR) application implemented by iPoint is the first step of the collaboration between iPoint and DEKRA. Available via iPoint's SustainHub, the PCR app gives companies easy access to the content of DEKRA's expert system and helps them assess the risks. The key benefits offered by this app lie in the article-specific information and in its support of the "zero SVHCs" goal. In addition, the cloud-based database

can support the material selection during the product definition phase and massively reduce laboratory analysis costs.

The material-based tool is focused on critical products and parts. Depending on the probability of their presence in a specific material, the substances are color-coded: red for a very high probability, orange for a high probability, or yellow for a low probability.

DEKRA is working continuously to expand and update the data in the app. Access to a freemium version lets you to try out the PCR app with selected materials completely for free:

➔ www.ipoint-systems.com/integrated-solutions/pcr/

Your Contact for PCR:

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powered by 

eLRT electronic Labor Rights Template

NEW TOOLS

New: Anti-Slavery Reporting Template eLRT

In November 2016, iPoint launched the electronic Labor Rights Template (eLRT). The free, open-access, Excel-based, business-to-business reporting tool is designed to support your company's compliance with global human trafficking and modern-day slavery legislation. It facilitates the collection, analysis, communication, and reporting of critical anti-slavery measures through your supply and service chains in accordance with the regulatory and company-specific requirements.

eLRT is based on a set of seven recent US, EU, and UK anti-human trafficking and anti-slavery laws directed at the private sector, including the California Transparency in Supply Chains Act (2010), the E.U. Non-Financial Reporting Directive (2014), and the U.K. Modern Slavery Act (2015). The legal obligations have been translated into 21 core B2B reporting indicators that you can apply to collect data on your supply and service chains and your own production sites. You can also select additional, red-flag detection indicators, drawn from numerous slavery-relevant reporting standards, tools, and frameworks. All of the indicators are structured according to the OECD's internationally recognized five-step due diligence framework.

To ensure its sensitivity, robusticity, and responsiveness to the present reporting requirements and at-risk labor practices, eLRT has been thoroughly evaluated and tested by a multi-stakeholder forum consisting of experts and practitioners drawn from the private sector and civil society. A similarly composed steering committee ensures the quality and further development of the tool.

The Excel-based template is available for download free of charge on the website www.elrt.org. In parallel, iPoint is developing a cloud-based eLRT module as part of its supply chain stewardship solutions portfolio with features and functionalities to automatize the collection, analysis, management, and reporting of relevant anti-slavery and anti-human trafficking data.

Your eLRT Contacts:

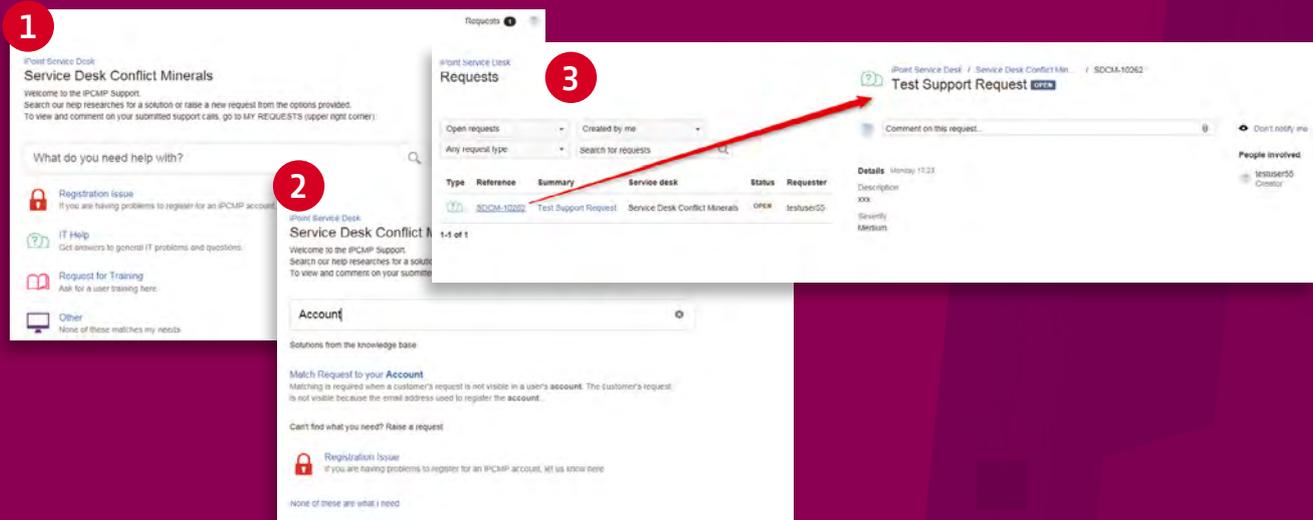
Dr. Katie Boehme (Excel template)
katie.boehme@ipoint-systems.de

Sebastian Dehlinger (cloud modul)
sebastian.dehlinger@ipoint-systems.de



Supply Chain Questionnaire				
Show/Hide Optional Questions		* Mandatory required field	Link to justification	
#	Actions (ongoing, already in place, or action that took place in last fiscal year)	Anti-Slavery Performance	Score	External Verification
		Answer (Please type or select from drop-down list)	(0 - 5 points)	(Please select from drop-down list)
Establish strong company management systems [OECD Step 1]				
General Policy				
1	Did your company issue and make publicly available a policy (e.g. code of conduct) (1) prohibiting human trafficking related activities, all forms of forced or compulsory labor, and the worst forms of child labor within its own operations and its supply/service chains, and (2) specifying the actions that will be taken for violations? *	Yes	1	Independent 3rd party, on-site evaluation
Recruitment, payment, housing, pay				
Justification: This topic is a feature of the TPP, U.K. MSA, and E.U. NFR Directive. For further details please refer to justifications at the top left.				
2	Did your company publicly issue a policy - that: a) prohibits the use of recruitment companies only with trained employees or independent job brokers (brokers/agents), b) prohibits recruitment fees charged to the worker, and c) requires that wages meet applicable host-country legal requirements or explains any variance? *	Yes	1	Self-assessment
3	Did your company publicly issue a policy - and hold business partners accountable for such policy - that: a) prohibits the use of recruitment companies only with trained employees or independent job brokers (brokers/agents), b) prohibits recruitment fees charged to the worker, and c) requires that wages meet applicable host-country legal requirements or explains any variance? *	Yes	1	Self-assessment

The Supply Chain Questionnaire: tooltips highlight the laws the respective question is based on. For every answer there is a pre-defined score.



The iPCMP Service Desk – Image 1: Dashboard after login with KB search field and different request types for creating support cases. | Image 2: Overview of created requests and detail view and comment function. | Image 3: KB search with KB article suggestion.

NEW SERVICES

New: CSR Reporting Services

Corporate Social Responsibility (CSR) reporting is increasingly the subject of legal requirements. It concerns not only individual companies but entire supply chains. Products manufactured in a socially responsible manner consist of resources and components that are sourced and manufactured in a socially responsible manner. This works perfectly as long as all of the partners along the supply chain divulge their information freely. This information is the basis for the “disclosure of non-financial information”, which applies to certain large undertakings since 2017 (Directives 2013/34/EU and 2014/95/EU). The necessary information must be defined, requested, explained, discussed, prepared, compiled, presented and frequently even demanded. Usually, the task of collecting and preparing the data keeps a team of staff busy for several weeks.

iPoint now provides a new outsourcing service for this task. Following a coordination meeting, iPoint’s service staff takes over everything to do with data collection and preparation. iPoint recently implemented this new CSR service for a survey conducted among suppliers of a globally operating packaging company. The CSR questionnaire that the company had already drafted was converted to an online form and sent to the company’s suppliers. The suppliers were able to enter the data using a web browser, and the company was also able to monitor the process as it progressed. The 100 or so suppliers, from various industry sectors, had five weeks to enter their data. Once the reply deadline had expired, the customer was sent a summarized evaluation of the data. From start to finish, the service order took just under 6 weeks. The response rate was 96 %.

We are offering this new CSR service as a supplement to the SustainHub platform – for whenever an individual survey is required without the need for large-scale automation. In addition to CSR data, this service can also be used to inquire about other types of information, such as food certificates or UL tests.

Your Contact for CSR Services:

Dr. Hans-Karl Rath

➔ hans-karl.rath@i-point-systems.de

NEW SUPPORT DESK

New: iPCMP Service Desk

In 2015, we launched two new product-specific Service Desks for our customers of the iPoint Compliance Agent (iPCA) and the iPoint Value Chain Agent (iVCA). Recently, we expanded our support portal by a third Service Desk for Enterprise customers of the iPoint Conflict Minerals Platform (iPCMP) and SustainHub customers.

By adding the new iPoint Service Desk, we are taking yet another step to improve the quality of the service we provide and the level of satisfaction among our customers.

The iPoint Service Desk picks up on your actual wishes and requirements and offers a host of benefits, including:

- An improved overview of support cases and questions
- A Knowledge Base (KB) with useful instructions and troubleshooting articles

If you have any questions concerning this new Service Desk, you are welcome to get in touch with your iPoint Account Manager.



MultiMaK project meeting in Wolfsburg

LCA IN THE PROJECT MULTIMAK2

Open Hybrid LabFactory

● The Open Hybrid LabFactory (OHLF) was initiated in 2012 under the leadership of the Niedersächsisches Forschungszentrum Fahrzeugtechnik (NFF – Automotive Research Centre Niedersachsen) of the Braunschweig University of Technology together with VW, ThyssenKrupp, BASF, and other partners as well as iPoint as project partner.

September 22, 2016, saw the inauguration of the OHLF, a center of excellence for commercially viable and sustainable lightweight construction, located not far from VW's main factory in Wolfsburg. The OHLF covers the entire value chain for hybrid components – from the concept phase through the manufacture of reinforcing textiles, hybrid production processes to recycling. The goal is to put down benchmarks for the development of low-emission, safe, reliable, and at the same time affordable vehicles.

The OHLF project entitled “Multimak2 – Design and development of assessment tools for ecologically optimized multi-material automotive components for mass production” forms the basis for the development of a Life Cycle Design Lab in which iPoint provides our Life Cycle Assessment (LCA) software.

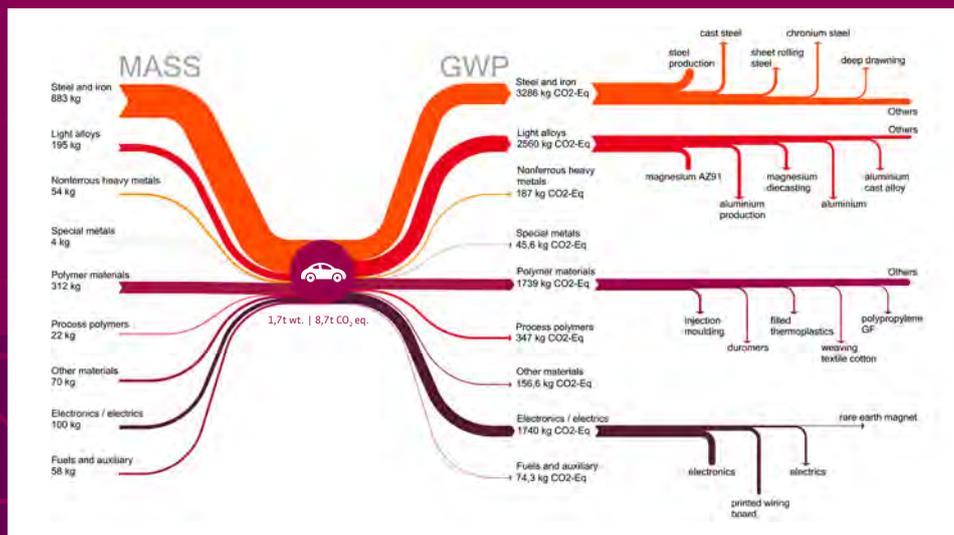
Your OHLF Contact:

Andreas Schiffleitner

➔ andreas.schiffleitner@ipoint-systems.de



Impressions from the grand opening event on September 22, 2016.



A Sankey diagram of a battery electric vehicle showing the mass vs. the carbon footprint (GWP) per material.

CLOSE COLLABORATION

iPoint and Institute for Environmental IT

In recent months, we at iPoint have teamed up with the Hamburg Institute for Environmental IT (ifu) to further expand our portfolio so that we can offer you new, efficient Life Cycle Assessment solutions that enable you to analyze the environmental impact and guarantee the sustainability of your products.

The challenge of a circular economy has many facets, ranging from business models based on waste-reduction using recycled and recyclable materials and designing new products and processes that are waste-free and environmentally compatible from the get-go. ifu Hamburg's expertise and cross-sectoral know-how have fueled the development of two standard software tools: Umberto and e!Sankey.

When it comes to implementing improvements and changes directly at the processing and facility level, process engineers are at the forefront. ifu Hamburg's tools support their critical role during the planning and design of new installations. Visualizations of energy, material and cost flows play a critical role during the innovation process, therefore it's e!Sankey's task to provide these visuals.

Umberto keeps track of all the different material, energy, and cost streams which are interrelated on a systems-wide scale. This allows the optimization of the overall system and avoids situations where individual processes are improved at the expense of the entire operation. In order to avoid trade-offs between economic improvements and ecological expenses, Umberto supports a combined perspective of efficiency improvements and environmental impact assessment.

Methods like Material flow cost accounting based on ISO 14051 are supported to detect improvements related to wastage and material losses. Material Flow Cost Accounting, Carbon Footprinting according to ISO/TS 14067 and 

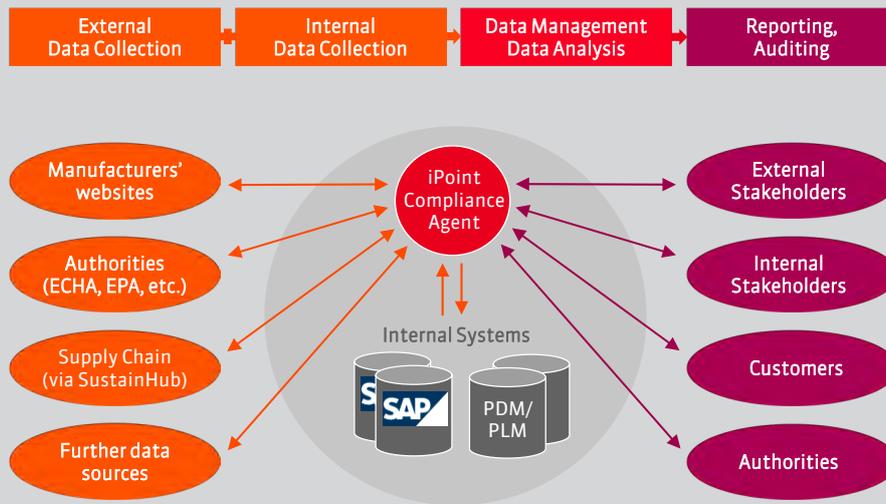
Life Cycle Assessment according to ISO 14040 and ISO 14044 share the same demand of process specific data on material and energy flows of production systems, so applying one tool allows businesses to understand and reduce environmental impacts and identify cost saving potentials at the same time.

It's a demanding task for any business to successfully implement and achieve its sustainability goals. Meeting the complex requirements is an increasingly tough challenge which requires the analysis of a growing number of data, figures, and facts. The good news: with the combination of iPoint's and ifu's solutions companies can save time, money, and implement the achievement of sustainability goals into their daily work.

Your Contact at iPoint:

Andreas Schifflleitner
 andreas.schifflleitner@
 ipoint-systems.de





System landscape of the iPoint Compliance Agent.

CONFLICT MINERALS

iPoint@OECD Forum

From May 2-4, 2017, iPoint attended the 11th Forum on Responsible Mineral Supply Chains in Paris. This year's forum focused on the implementation of the OECD Due Diligence Guidance for Minerals, the Regional Certification Mechanism of the International Conference on the Great Lakes Region (ICGLR), and other initiatives to enable responsible mineral supply chains.



iPoint in Paris: Sebastian Dehlinger, Katie Boehme, Sebastian Galindo

SAP® INTEGRATION

iPoint Compliance Cockpit for SAP®

You use the iPoint Compliance Agent (iPCA) and your company uses SAP®? If so, our Compliance Cockpit for SAP® offers a fully integrated out-of-the-box solution enabling you to access your product compliance data quickly and efficiently.

Product compliance data – available where you need it

Which materials are used for which products? What are the applicable international laws and regulations? What are the in-house and customer-specific requirements? The iPoint Compliance Cockpit for SAP® provides the answers to all these questions as it gives you product compliance data exactly where you need it. You get compliance information within master data management, when creating order files or in the event of inventory changes, and you can efficiently verify your compliance status while using bills of materials (BOMs).

Quick installation, no modifications

Our SAP® extension can be installed quickly and requires no modifications. As the data is made available in SAP®, SAP® users need no additional iPCA licences as info users.

Find out more about the Compliance Cockpit for SAP® at:

➔ <http://tinyurl.com/iPoint-CCfSAP>

Your Contact for SAP® integration at iPoint:

Dr. Hans-Karl Rath

➔ hans-karl.rath@ipoint-systems.de



Nicolle Imgaertchen (MAHLE International) presenting on challenges and strategies for Conflict Minerals compliance.

REVIEW: 4TH SYMPOSIUM

“Conflict Minerals & Sustainable Supply Chain”

On November 10, 2016, iPoint hosted Germany’s fourth “Conflict Minerals & Sustainable Supply Chain” symposium. After iPoint CEO Joerg Walden’s opening address, the speakers from the worlds of business, academia, and law shone the spotlight on entrepreneurial challenges, legal parameters, and solutions for environmental and social product compliance and sustainable supply chains. Their presentations focused on the US and EU Conflict Minerals legislation, REACH compliance, CSR requirements and the Circular Economy.

Speakers included:

- Prof. Dr. Ulrich Ellinghaus LL.M., Baker & McKenzie
- Dr. Chris N. Bayer, Development International e.V.
- Dr. Katie Böhme, iPoint
- Nicolle Imgärtchen, MAHLE International GmbH
- Andreas Schiffleitner, iPoint
- Frank Richter, mentorrichter
- Jochen Dettke, DEKRA
- André Podleisek, Schindler Management AG
- Prof. Dr. Rupert Baumgartner, University of Graz

The fourth in this series of symposia produced hugely positive feedback from those who took part. We received praise for the practical reports and examples of the presentations, the opportunity to exchange experiences, and the overall organization of the symposium. Asked what they enjoyed the most, one attendee answered: “Everything! The content of the presentations, speakers, location ...”.

The event was held at the Kultur & Kongress Zentrum Filharmonie Filderstadt, Germany, which has committed to the Sustainability Codex of the Event Industry and possesses the internationally recognized Green Globe Certification as a sustainable events venue.

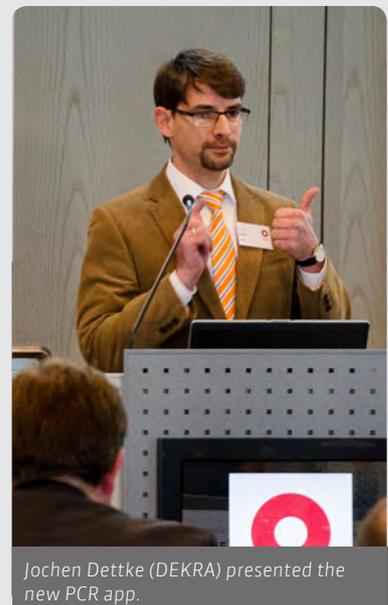
E-book for the 4th symposium

iPoint recently published an e-book covering some of the presentations. The e-book is available for download here:

➔ www.ipoint-systems.com/circular-economy-ebook/

Preview: 5th symposium

We’re looking forward to the fifth Conflict Minerals & Sustainable Supply Chain Symposium, which will take place in the fourth quarter of 2017, once again in the Stuttgart region. The exact date will be announced on the iPoint website nearer the time.



Jochen Dettke (DEKRA) presented the new PCR app.



LAWS & REGULATIONS & DIRECTIVES

Global Regulatory Updates

January

- European Chemicals Agency ECHA publishes four new Substances of Very High Concern (SVHCs) added to the REACH Candidate List, including bisphenol A. The list now contains 173 substances.
- EU Commission publishes progress report one year after adopting Circular Economy Package.

February

- Turkish Ministry of Environment and Urbanisation (MoEU) is putting finishing touches to its EU-REACH-like law KKDIK, adoption of regulation expected in second quarter of 2017.
- Dutch Parliament adopts Child Labour Due Diligence Law in companies' supply chains and operations, Senate approval pending.
- French Parliament adopts law to prevent violations of human rights and environmental damage through out companies' production chains.
- Australian Government announces inquiry into establishing a Modern Slavery Act in Australia.

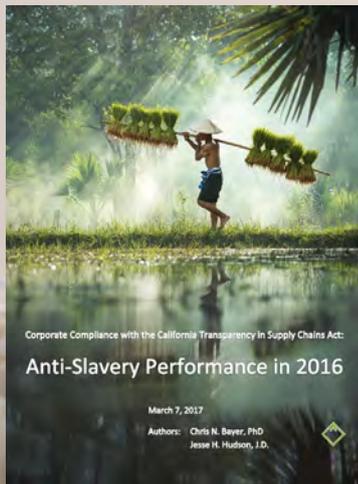
March

- EU Parliament passes legislative resolution on the proposal for a European Conflict Minerals regulation in plenary vote, requiring all EU importers of tin, tungsten, tantalum, and gold to conduct due diligence checks on their suppliers.
- ECHA recommends seven SVHCs for REACH Annex XIV, including phenols and a phthalate.
- Chemicals are second highest product risk in Europe, according to latest Rapid Alert System for dangerous products (RAPEX) report.
- US President Trump signs order at the Environmental Protection Agency (EPA) to dismantle several environmental and climate protection programs.
- Federal Council of Germany approves law on CSR reporting which transposes EU CSR Directive into national law. The law enters into force retroactively, namely from January 1, 2017.

April

- EU Council approves Conflict Minerals regulation. The publication in the EU's Official Journal is expected in a few weeks time.
- Swedish law taxing hazardous substances contained in certain electrical and electronic products enters into force.
- Dow Jones Sustainability Indices (DJSI) extends scope, requiring data on the chemicals companies use in their products.





Julia Ormond, founder and president of the Alliance to Stop Slavery and End Trafficking (ASSET)

NEW REPORT REVEALS:

Companies' Anti-Slavery Performance Improves Globally

According to a new benchmarking report, companies' anti-slavery compliance and actions have improved in 2016. Funded by iPoint and prepared by Development International (DI), a not-for-profit organization specialized in evaluations, the study rated the legal compliance, affirmative practice, and transparency of 1,909 companies' anti-human trafficking and slavery-related disclosure statements of 2016. The law in focus: the California Transparency in Supply Chains Act of 2010 (CA-TISCA), which requires retailers and manufacturers doing business in the state of California with annual worldwide gross receipts exceeding \$100 million to publicly disclose the measures they have taken to eradicate modern-day slavery and human trafficking in their supply chains. The companies subject to this law include U.S. as well as foreign companies with a combined global revenue of \$48.4 trillion in 2016.

The study indicates that the companies in focus have improved on all fronts as compared to reporting year 2015. "More companies have a statement, more are compliant, and more pro-active initiative is being taken by these businesses in their efforts to responsibly produce and source goods they sell in California," Dr. Chris Bayer, DI's Principal Investigator and co-author of the study, states.

Among the 20 companies which received a combined compliance, affirmative, and transparency score of 86% and above are American Eagle Outfitters (95%), HP (93%), Intel (92%), Burberry (90%), Patagonia (89%), GAP (88%), Papyrus (88%), Bath & Body Works (87%), Vans (87%), and Apple (86%).

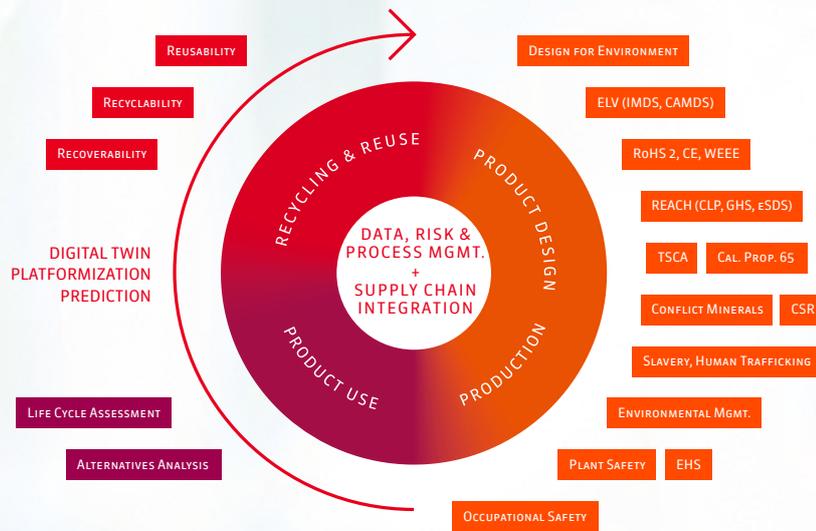
"There are definitely flagship brands and industries leading the way in the anti-slavery area. Recent as well as upcoming laws indicate the encouraging shift in the number of countries that are engaging on the issue", iPoint-CEO Joerg Walden emphasizes. "However, in order to effectively tackle and eradicate human trafficking and modern-day slavery around the globe, joint efforts, learning from peers, supply-chain wide collaboration and cross-sector solutions such as the electronic Labor Rights Template (eLRT) are key." 

"The catch 22 is that brands can lead, but cannot complete the task in isolation," Julia Ormond highlights in the report's foreword. "Conversely, self-acknowledgement of slavery risk in supply chains would beget supply chain mapping, sector and cross-sector partnerships; to enable new solutions and anti-slavery measures to evolve and prove their value." Ormond is founder and president of the Alliance to Stop Slavery and End Trafficking (ASSET), which was instrumental in passing the California Transparency in Supply Chains Act and the UK Modern Slavery Act (2015).

Evaluated companies can request their individual scorecards with a breakdown of their disclosure compliance, affirmative practice, and transparency score, from this website:

www.ipoint-systems.com/ca-tisca-2016/

The full report can also be downloaded from this website.



iPoint's holistic product portfolio: One solution for product compliance and sustainability requirements for the entire product life cycle.

ISO 14001:2015

The Life Cycle Perspective in the New ISO 14001:2015 Standard

Following publication of the environmental management standard ISO 14001:2015 on September 15, 2015, the transition period for replacing the old ISO 14001:2004 version expires on September 15, 2018. From this moment onward, all certificates issued in compliance with ISO 14001:2004 will no longer be valid. Consequently, many companies have realized that they need to start getting to grips with the revised requirements straight away and to prepare themselves for their implementation and the new certification regime.

Worldwide success

ISO 14001 is one of the world's most widely used ISO standards: By 2015, some 320,000 organizations around the world had gained certification in accordance with this standard, almost 120,000 of them being located in Europe. According to the latest revision of the standard, companies need to demonstrate that they have improved their environmental credentials by committing to a comprehensive system of indicators. Measurement of an organization's environmental performance also includes the acquisition, transportation, packaging and final disposal or re-use of materials and examines the fundamental risks and opportunities that arise from compliance commitments.

Greater responsibility

In future, top management is to assume greater responsibility for the effectiveness and integration of their organization's environmental management system. The environmental impacts of products, systems, and services across

the entire life cycle perspective, including outsourced processes, must be taken into account during planning and implementation as well as in stakeholder communication.

Requirements derived from the life cycle perspective

While this inclusion of the life cycle perspective does not currently require a detailed life cycle assessment (Annex to ISO 14001 A6.1.2), it does however greatly help toward the pursuit of closed-loop supply chains and the implementation of a Circular Economy.

Organizations and companies need to conduct due diligence concerning the various life cycle stages they can control or influence. Typical stages of a product life cycle include acquisition of raw materials and primary products, design, production, delivery, use or operation, reverse logistics, as well as recycling or final disposal. The life cycle stages vary depending on the type of product, system, or service.

The requirements derived from the life cycle perspective consequently involve an obligation to assess the environmental impacts in the individual product life cycle stages on the one hand and to exhaust the possibilities for control measures to be taken by the organization or company on the other.

The holistic solution portfolio of iPoint, which focuses primarily on the complete product life cycle, is ideally suited to helping you include and implement the life cycle perspective and the newly revised ISO 14001:2015 standard.



With a digital twin, products can be efficiently developed even before the utilization phase and continuously optimized through to re-use of the materials.

DIGITAL CIRCULAR ECONOMY

The Digital Revolution of the Circular Economy

 In contrast to the linear economy (take, make, use, dispose), the Circular Economy approach does not see an absolute end to a product or process. iPoint's holistic, circular perspective envisages a continuous, digital system lifecycle management process that supports not only compliance with the law, but also the sustainability of products and systems.

New infrastructure and new technologies

Cyber-physical systems and Digital Twins play an important role in this. The Industrial Internet of Things (IIoT) and the knowledge surrounding all-pervading connectivity as the new infrastructure – in combination with the merging of technologies that blur the boundaries between the physical and digital worlds – are the key to a truly circular economy. Also important are technologies such as the blockchain, which ensure the traceability and authenticity of data sources. For iPoint and our customers, it's about creating and maintaining transparency while taking into account and protecting confidential information at the same time.

Efficient development and continuous optimization with the Digital Twin

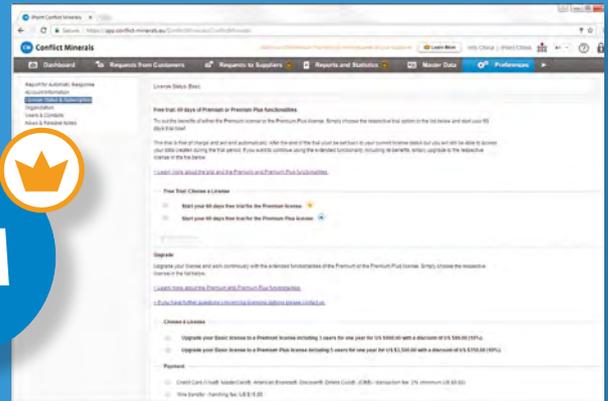
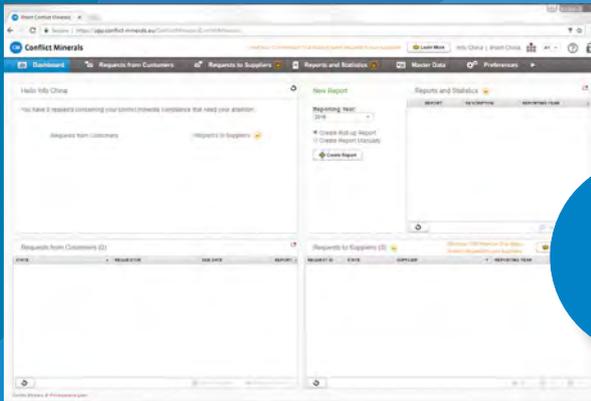
All of this facilitates an effective and transparent flow of materials, energy, labor, and information, so that natural and social capital can be rebuilt and global sustainability goals achieved. If this approach is to be implemented in a highly automated manner and the sustainability potentials of new business models are also to be developed across the entire system lifecycle, we require universally digital models.

With a digital twin, products can be efficiently developed even before the utilization phase and continuously optimized as a smart system through to re-use of the materials. With today's trend toward a high level of product customization and the associated heterogeneity of the supplied and manufactured parts, compliance with the law can be verified only by digitizing the processes necessary to do so. 

From ownership to usership

Another trend is the transition from “product ownership” to “product usership” as a service. For instance, instead of supplying Amsterdam's Schiphol Airport with lamps and luminaires, Dutch electronics giant Philips now provides the aviation hub with a service – namely, the provision of light. Under this “light-as-a-service model”, Schiphol pays for the light it uses, while Philips owns all physical assets of this cooperation, including all fittings and installations. If lamps fail, Philips makes sure that the lights don't go out in Schiphol – literally.

Together with the IIoT, digital twins, blockchain, and other technologies, “from-ownership-to-usership” models like this one are building the foundations for the transition to a genuine digital circular economy – an approach to which iPoint is fully committed.



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CONFLICT MINERALS REPORTING

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Conflict Minerals Reporting via the iPoint SustainHub

In 2016, the iPCMP became a part of the iPoint SustainHub. The SustainHub is a universal, cloud-based platform for exchanging compliance and sustainability data across the entire supply chain. SustainHub gives you a single space in which to deal with a multitude of data inquiries about a vast range of sustainability issues. In addition to the iPCMP, the SustainHub offers direct access to the Material Compliance (REACH, RoHS) app, the Product Chem Risk app, and to other cloud-based iPoint solutions.

➔ www.sustainhub.com

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