



iPoint



iPoint

Product Sustainability

Smart Connector (IMDS)
Smart Mapping (Automotive)



Automated Carbon Footprint Intelligence:
Mastering Complexity with Efficiency.

Calculate Smarter - Report faster with IMDS Data

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Lead companies today into tomorrow's carbon-conscious economy

In today's rapidly evolving business environment, the imperative for sustainability has never been more pressing. As a person responsible for sustainability reporting, you're keenly aware of the complex challenges facing organizations in effectively managing their carbon footprints.

From ensuring accurate Life Cycle Assessments (LCAs) for diverse product lines to navigating ever-changing regulatory frameworks, the demands on your department are substantial.

Moreover, with increasing monitoring from regulators, investors, and environmentally conscious consumers, there's a growing need for not just compliance but also

genuine sustainability innovation. Sustainability becomes a more and more increasing value in compliance reporting.

Our solution serves as a comprehensive strategic tool to face all these challenges. By offering a unified approach to carbon footprint calculation and management, our solution streamlines processes, leveraging primary data like IMDS to provide accurate PCF values.

Furthermore, it aligns seamlessly with emerging industry trends, such as standardized PCF methodologies (e.g. Catena-X) and the integration of carbon metrics into procurement decisions.

Introducing fast PCF automation with Smart Connector (IMDS) and Smart Mapping (Automotive)

iPoint Product Sustainability, the next generation of web-based LCA software, now enables you to align various requirements in a unified Sustainability Product and Material Intelligence. Enhanced by its latest additions, Smart Connector (IMDS) and Smart Mapping (Automotive), it is one of the best solutions for product sustainability in the automotive industry.

Smart Connector (IMDS)

With the Smart Connector (IMDS), iPoint Product Sustainability leverages the great power and benefits from iPoint's market-leading Product Compliance software: The Smart Connector (IMDS) allows for seamless use of part lists from databases like IMDS directly in your LCA and PCF calculations, giving you a more accurate and reliable basis for analyses.

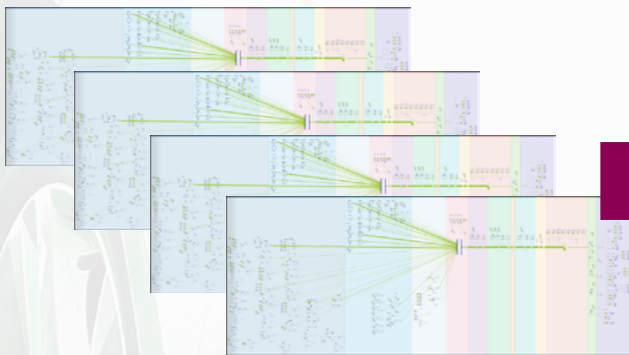
Smart Mapping (Automotive)

Based on the market-leading Life Cycle Assessment (LCA) software, Umberto®, the value of the enhanced iPoint Product Sustainability lies in its intelligent automation and holistic approach to assessment and analysis. By using both the Smart Connector (IMDS) and Smart Mapping (Automotive), it is possible to automatically map datasets from IMDS and other BOMs and, for example, to automatically create product carbon footprints with the help of time-saving machine learning and automatic pre-trained material mapping. This facilitates and accelerates the work of LCA experts and makes relevant information and evaluations faster accessible to others. Ultimately, a significant acceleration for everyone: designers, engineers, environmental experts and decision-makers along the entire value chain.

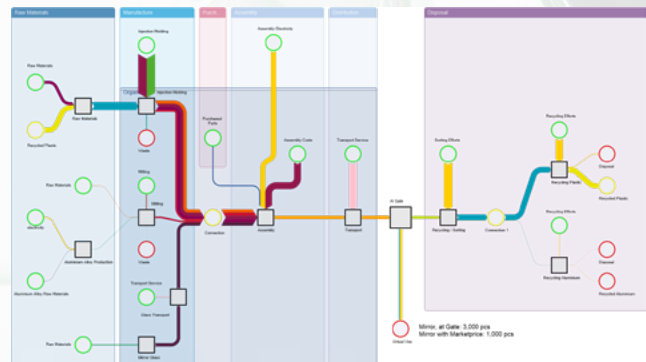


Unleash Ecological and Economic Advantages

Product-specific Models 1 model → 1 product



Generic Modeling 1 model → n products



Generic Modeling enables the calculation of LCAs for entire product families and product variants from just one model.

Smart Mapping (Automotive): LCA/PCF Automation

LCA modelling 1-to-many

- ➔ One model for many PCFs. Makes it easier to manage LCA models, faster to calculate PCFs and saves time for LCA experts
- ➔ Enables the calculation of entire product families and product variants with just one model
- ➔ Achieve faster calculation speeds through combination of generic model with IMDS BOMs

LCIA dataset mapping

- ➔ Enhance your mapping process through the implementation of machine learning
- ➔ Leverage the knowledge of your LCA experts: continuously improve mapping results over time
- ➔ From worst case mapping to detailed mapping

Smart Connector (IMDS): Instant access to material data

- ➔ Smart connection of BOMs from IMDS
- ➔ Highest capability: up to full-range product portfolios

iPoint Product Sustainability: Next Generation LCA Modeling


LCA modeling software

- ➔ Based on the market-leading modeling engine Umberto®
- ➔ Flexibility and power through generic LCA modeling
- ➔ 25 years of expertise in LCA modeling

Holistic and data-driven decision approach

- ➔ Highly deliverable sustainability product and material intelligence
- ➔ Reporting and monitoring collaboration along the entire value chain
- ➔ Secondary and primary data use via API

The ENTERPRISE Package: Enhanced for Automotive, Invented for faster CO₂ Reduction



“Creating carbon footprints with IMDS data significantly empowers the automotive industry.”

Andreas Schiffleitner
Product Manager iPoint Product Sustainability

With three matching packages, iPoint Product Sustainability will meet any of your requirements: ESSENTIAL for all those taking the first steps towards LCA, PROFESSIONAL for more ambitious tasks and processes, and ENTERPRISE for high performers. All benefits of the Automotive package are based on the powerful ENTERPRISE package.

A package full of advantages: iPoint Product Sustainability – ENTERPRISE (Automotive)

Smart automation powered by smart intelligence, leveraging the immense power of combining compliance data with sustainability data.

- ➔ incl. Smart Mapping (Automotive) with pre-trained auto-mapping and machine learning
- ➔ incl. Smart Connector (IMDS) for data use in generic modelling (1-to-n)

Boost your speed and facilitate your PCF management

Equipped with generic modeling (1-to-n), you can calculate entire product families and variants by using one single model.

- ➔ One LCA model can calculate various PCFs
- ➔ Direct IMDS data for calculation
- ➔ Report faster and more detailed to stakeholders in your company

Benefit from combining compliance and sustainability

Automation and fast processes enable you to do more: More comparisons (worst case/best case), more calculations of different scenarios, more hotspot analyses. Capture more facts for data-driven decisions all over the company.

- ➔ Start directly with pre-trained automotive-specific knowledge to encourage data-driven decisions
- ➔ Continuously train the system through machine learning with each usage
- ➔ Get more efficiency in your daily work and deliver sufficient data to units all along the value chain





iPoint Product Sustainability

Smart Connector (IMDS)
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ENTERPRISE (Automotive): Features

We packed all the power for the automotive industry in the strongest package: The high-performance ENTERPRISE package offers full automation, direct IMDS data connectivity, pre-learned mapping, generic models, and unique knowledge of the automotive industry.

	ESSENTIAL	PROFESSIONAL	ENTERPRISE (Automotive)
Complexity of products / product lines, parts, variants, supply chains	≡ low	» medium	≡ high
# of expert users	2	3	3
# of standard web users	10	10	10
iPoint Product Sustainability Umberto®	✓	✓	✓
iPoint Product Sustainability Web	✓	✓	✓
Create variants, edit parameters, edit BOMs	✓	✓	✓
Smart Mapping (Automotive)	-	✓	✓ Smart Mapping (Automotive) pre-learned
ecoinvent LCA database	✓	✓	✓
Carbon Minds LCA database	-	✓ optional	✓ optional
Standard REST API Connector	-	✓	✓
Smart Connector (IMDS)	-	-	✓
Azure Cloud	✓ shared	✓ shared	✓ shared
Single sign-on	-	✓	✓
Support	✓ 8/5	✓ 8/5	✓ 8/5
Service Level Agreement	✓ standard	✓ standard	✓ standard

<p>ENTERPRISE (Automotive)</p>  <p>All inclusive: Single Point of Information</p>	<p>Smart Mapping</p>  <p>Pre-trained Machine Learning</p>	<p>Smart Connector</p>  <p>IMDS smart LCA Integration</p>	<p>Generic Models</p>  <p>1 LCA Model to many Products</p>
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We put together what you need to achieve the best solution for your business.

iPoint Product Sustainability – ENTERPRISE (Automotive) comes with everything you need. It enables you to implement successful and future-proof sustainability reporting in your company. An enormous leap for data-driven decisions in product design and engineering.

Possibly the Best-in-Class LCA Software

It’s not just about meeting today’s challenges. It is also about avoiding the risks of tomorrow. Achieve your goals smart and manageable: Minimize the number of your LCA models, maximize your PCF output, and speed up your calculations.

Learn more about our sustainability software and services:
[→ contact@ipoint-systems.com](mailto:contact@ipoint-systems.com) → www.ipoint-systems.com/product-sustainability



About iPoint

iPoint empowers companies to collect, analyze and report all necessary data to assess the environmental, social, and economic impacts of their products and related processes.

By digitalizing the lifecycles of products and supply chain relationships our software solutions support enterprises to manage compliance, risk, and sustainability topics. This drives the transparency companies need for good decision-making to govern and evolve their business.

In a world of limited resources but unlimited ideas for new products this has become a precondition to success-

fully market products worldwide – now and in the future. Since 2001 customers, ranging from SMEs to Fortune 500 companies, such as Ford, Roche, Osram, Toyota, Emerson, Miele, GE, Magna, Becton Dickinson and Jack Wolfskin have been using our software to CARE:

- C – collect & collaborate
- A – analyze & automate
- R – report the right information to the relevant stakeholders
- E – evolve the company to minimize risks and use opportunities

