
iPoint
c a r e
collect
analyze
report
evolve
Drive business value by analyzing the relations and impacts of your products
iPoint CARE – Webinar

Speakers

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Sustainability Engineer
GN Audio A/S

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Solution Consultant Life Cycle Assessment and Sustainability
iPoint

Agenda

1 | About iPoint

2 | The CARE Principle

3 | Analyze Data

4 | Sustainability at Jabra

5 | Analyze Compliance and Sustainability Data in Combination

6 | Outlook

About iPoint

We are iPoint

iPoint Facts & Figures

2001

Over 20 years of experience and know-how in the areas of compliance and sustainability

13

Locations worldwide

200+

Employees and growing

250

Global enterprises among customers

75,000

Users from 110+ countries

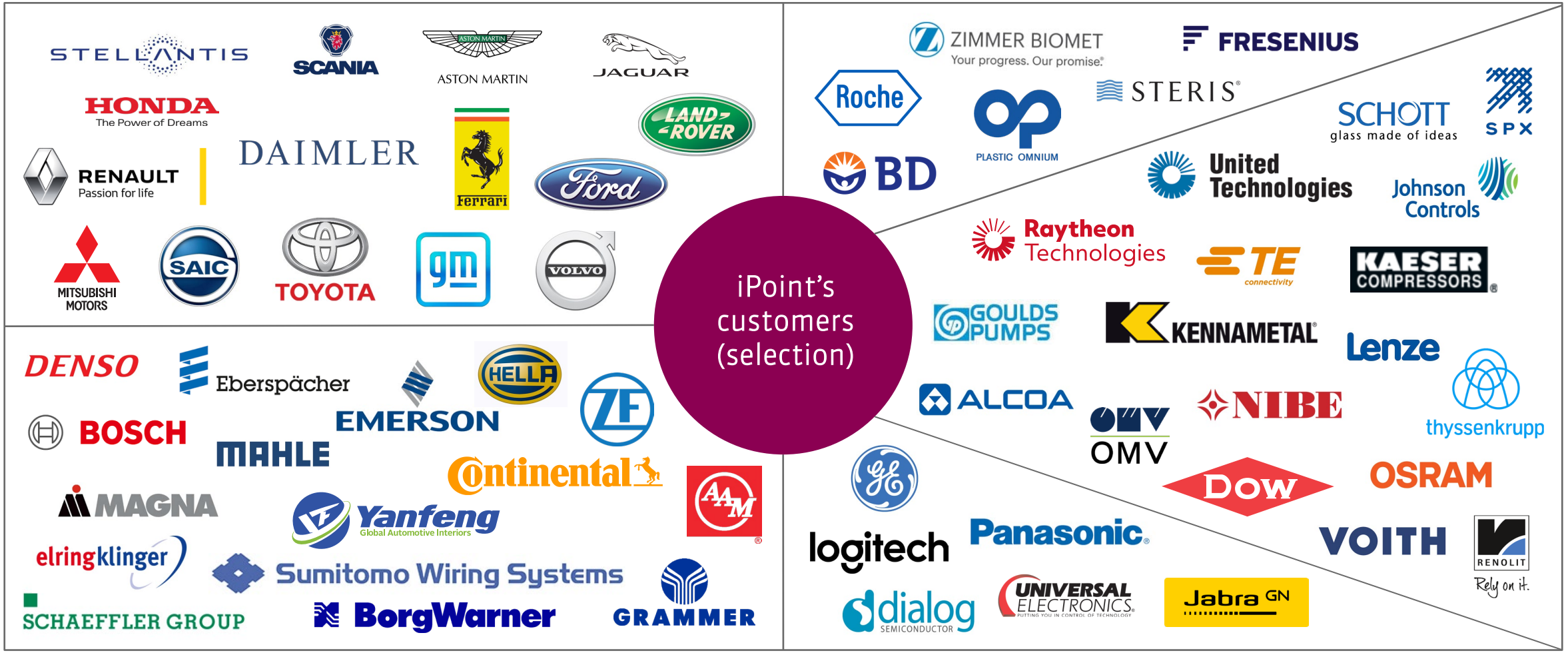
40

2 ISO certifications: 9001, 27001 + 38 awards

We develop software for...

Compliance, Sustainability, and Risk Management

iPoint



The CARE Principle

iPoint's CARE principle

Foundation of the iPoint Suite

iPoint

collect the relevant data

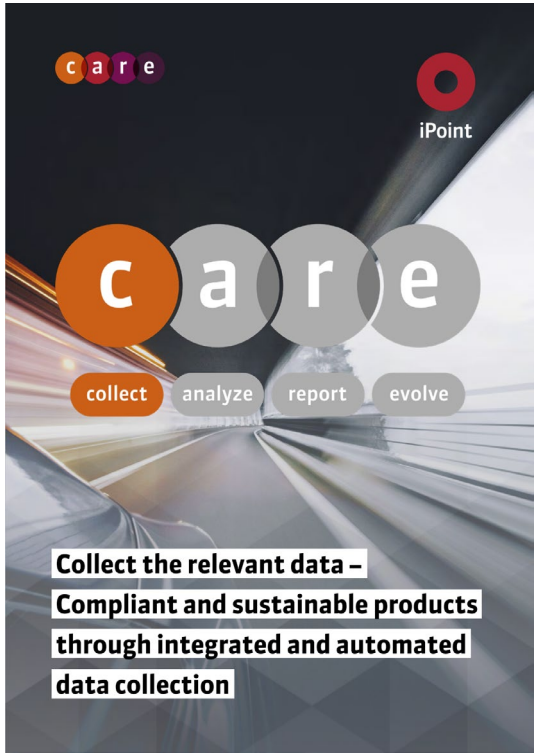
analyze the relations and impact

report the right information to the permitted stakeholder

evolve the company to minimize risk and use opportunities

iPoint's CARE principle

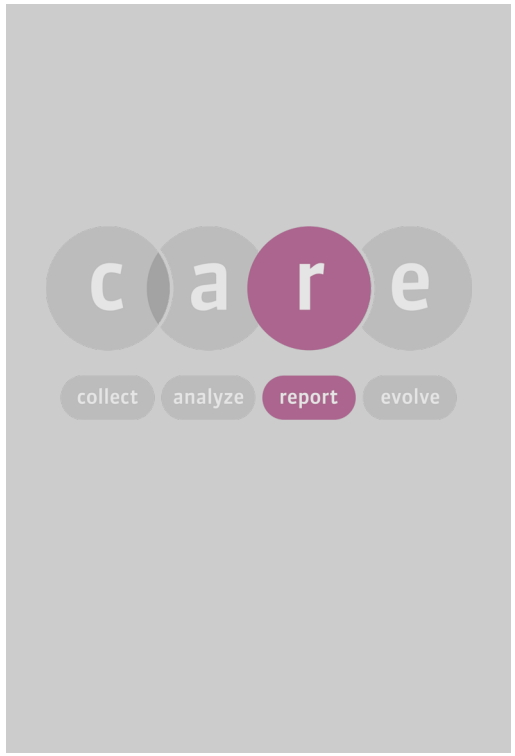
Review: Collect & Analyze



Download paper

Watch the video

Download paper



Coming up next

Coming soon

Today’s focus: data analysis

iPoint

collect — the relevant data

analyze — the relations and impact

report — the right information to the permitted stakeholder

evolve — the company to minimize risk and use opportunities

iPoint

Analyze data

Why analyze data?

Why analyze data?

Gain knowledge about

iPoint

requirements

- New and existing reporting obligations
- Compliance & sustainability regulations
- Customer & stakeholder requirements

product

- Ensure product´s safety & market access
- Identify substances of concern
- Identify your Product Carbon Footprint

supplier

- Qualify and approve your suppliers
- Leverage your supply chain to facilitate sustainable production

impact

- Take control of environmental, social, and economic impacts
- Effectively reduce environmental impacts

Reduce risk, improve decision making, and future-proof your business

iPoint

Analyze data

Challenges of data analysis

Challenges of data analysis

iPoint

- Complexity of data
- Data quality & completeness
- Multiple purposes & levels of analysis
- Variety & quantity of updated regulations
- Flexible adjustment to updated regulations

iPoint

Analyze data

Possibilities of data analysis

Possibilities of data analysis

Compliance

- Flexible compliance checks
  - Checking status for various regulations
  - Check present, past and future compliance status

- Regularly updated restricted substance lists

- Automated compliance checks

Flexible & automated compliance checks provide precise results & minimize your manual workload.

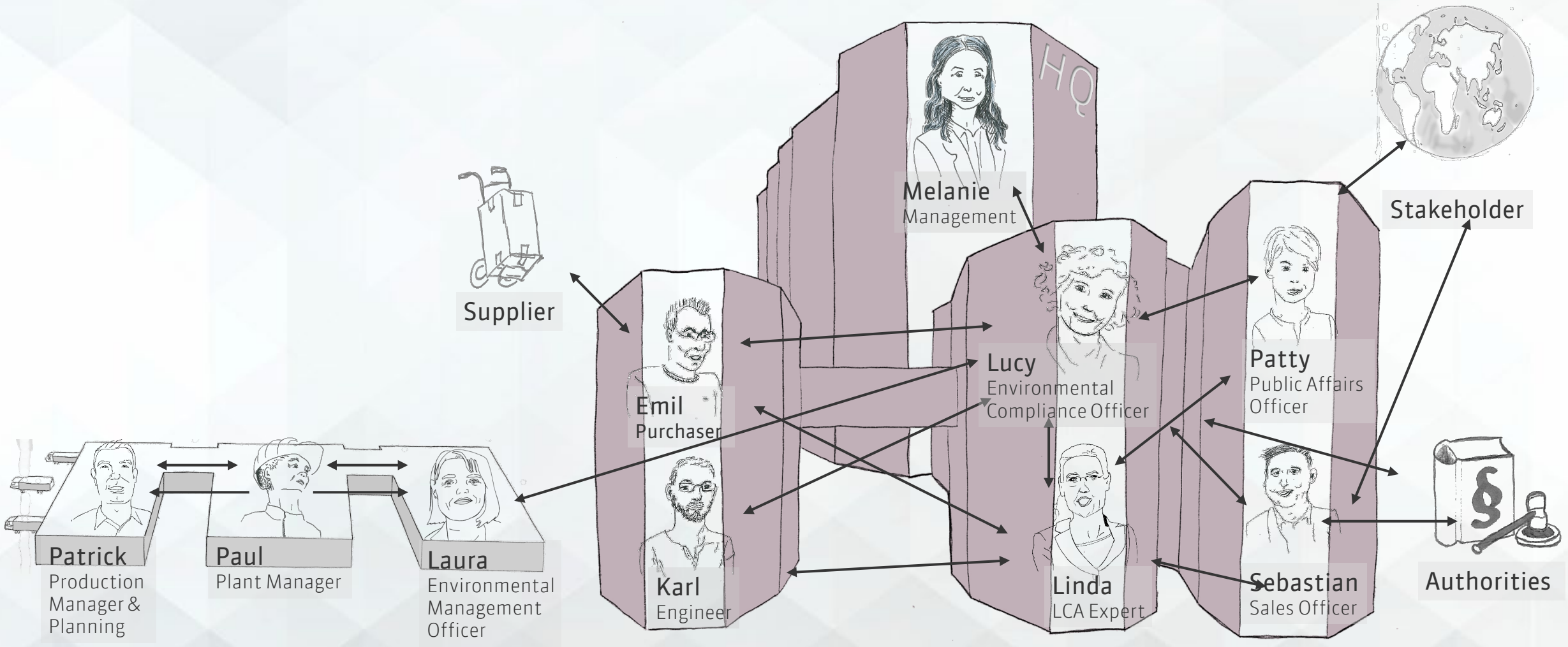
Possibilities of data analysis

Sustainability: Life Cycle Assessment

- Hotspot analysis of environmental impacts
- Scenario analysis: plan product design in advance
- Information sharing & collaboration
- Automation

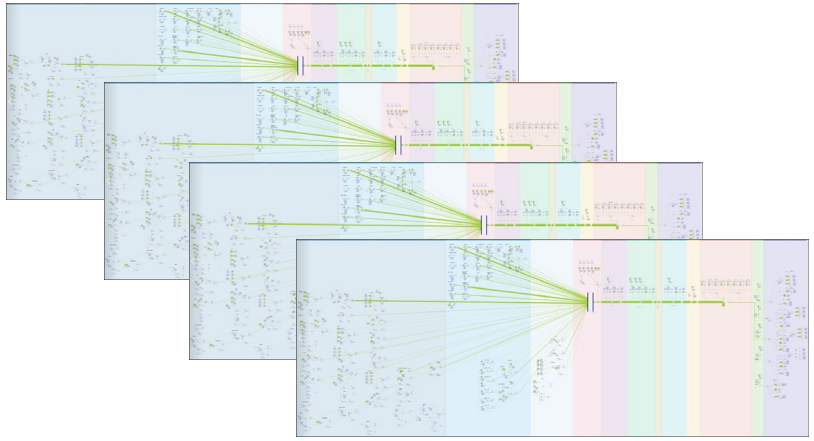
Life Cycle Assessments using iPoint´s solutions offer various benefits.

Enable effective collaboration between various roles



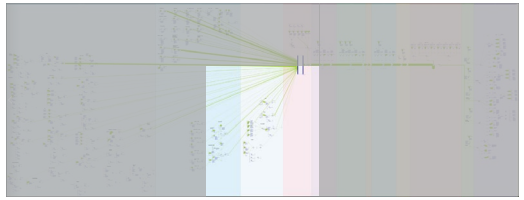
Automation of Life Cycle Assessments

Model Structure



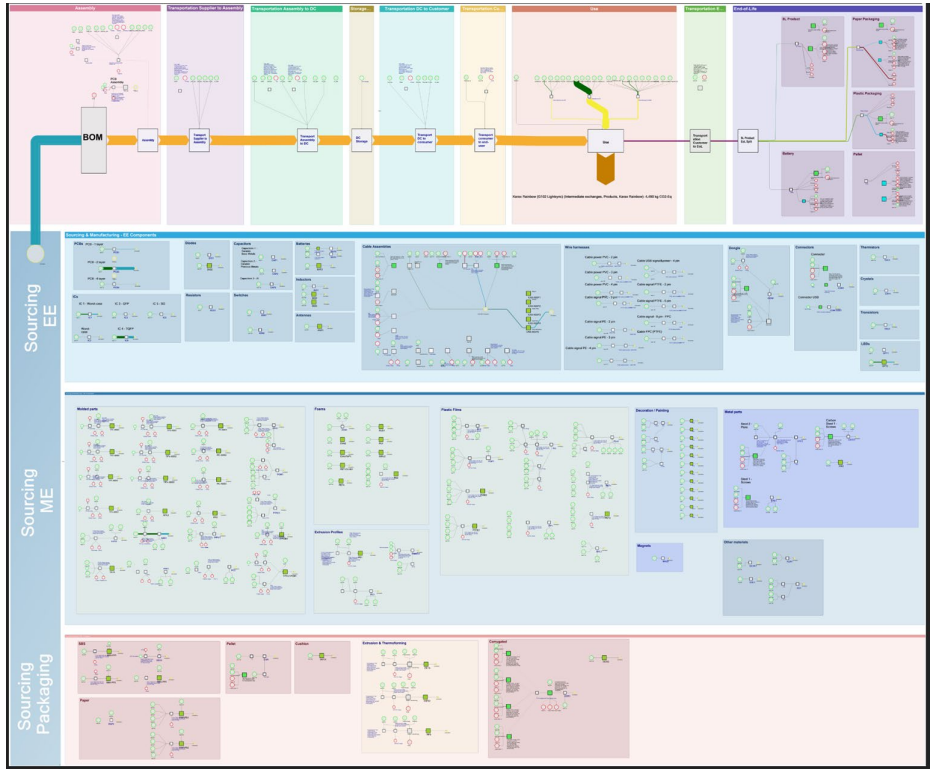
LCA Product Models

Product specific models (1 model = 1 product)



LCA Sub-Models

Assessment of separate parts (e.g., packaging or PCB)



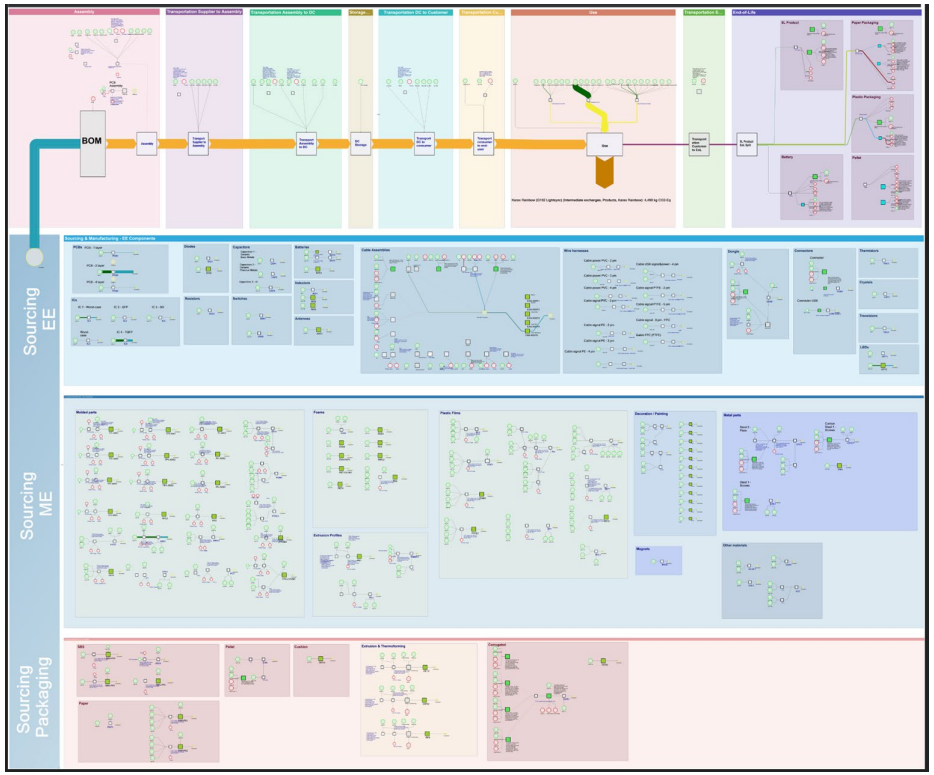
LCA Meta-Model

Central Multi-Product-/and Sub-Model
(1 model = n product + n sub-models)

Automation of Life Cycle Assessments

META-Model Advantages

Handling	One central file / model to handle multiple sources (models)
Consistency	Identical modelling approach (share data, assumption etc.) for all sources (models)
Adaption/ Maintenance	Changes apply to all sources (models)
Flexibility & Comparison	Quick analyses of the effect of data changes on any level or in a benchmark e.g., the effect of a new PCB dataset for several mice
Multi-level/ Bottom-up Calculation	Results for sector, product, and company level
Scaling	Additional products/ categories are only delta analyses (only new components need to be added / large overlaps)
Automation	Multiple-scenario calculations, data import and reporting
Workflow Efficiency & Performance	In summary of all the above-mentioned issues

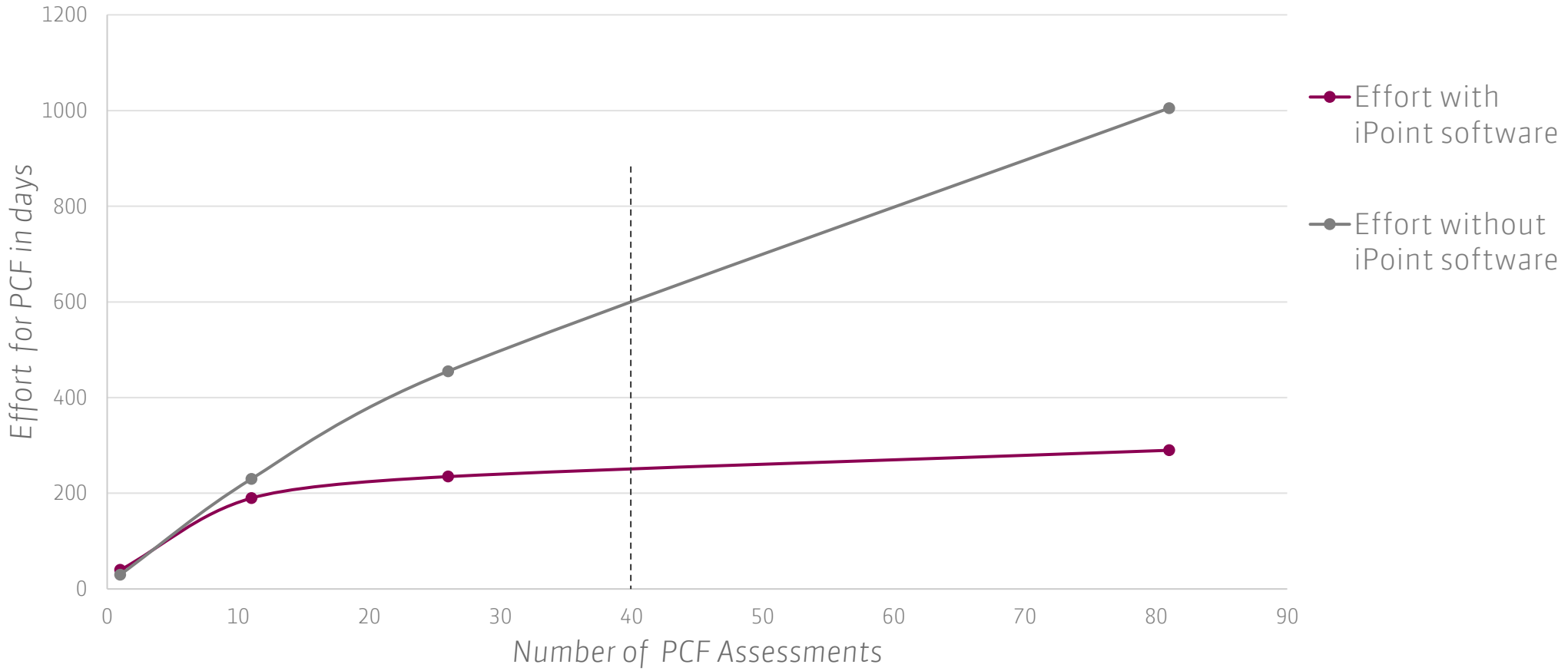


Automation of Life Cycle Assessments

Life Cycle Assessment / Product Carbon Footprint (PCF)

iPoint

Time savings for Product Carbon Footprint through automated software



iPoint

Sustainability at Jabra

By Albert Brønd

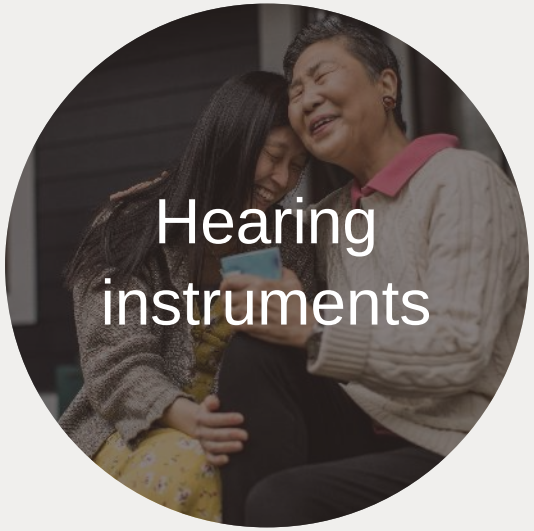
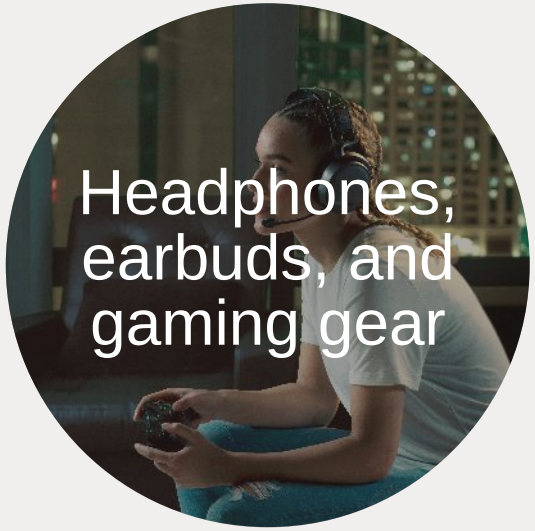
IPOINT PRESENTATION

Sustainability at Jabra

Presented by Albert Brønd

04.08.2022

World leading hearing, audio, video and gaming technology
- all under one roof

Medical grade hearing technology	Professional collaboration	Consumer gaming, calls & media
 Hearing instruments	 Enterprise headsets & video solutions	 Headphones, earbuds, and gaming gear
ReSound GN, Beltone, Jabra GN, DANAVOX GN, Interton GN, Lively, AUDIGY	Jabra GN, blueparrott GN, FALCOM GN	steelseries, Jabra GN

Sustainability focus areas

- Protecting our planet by running our company in a climate-friendly way
- Truly sustainable products and packaging to support a circular economy
- Leverage our core strength to improving the health and wellbeing of millions of people around the world

Signatory since 2010

6 Sustainable development goals GN seeks to impact

2025 Sustainability Goals

Protecting our planet

- **Climate neutral** in company activities (scope 1+2)
- Halve the carbon footprint of **company air travel**
- Reduce our carbon footprint in our **distribution and manufacturing**

Truly sustainable products and packaging

- 50% **sustainable material** in new products
- 100% **sustainable packaging** (minimal plastic, small size, FSC)
- Use sustainable **product development requirements**
- Increase circularity by expanding **take-back schemes** and giving more products a second life through **repair or refurb**

Improving health and wellbeing

- Help **10 million+ people** with hearing loss to Hear More, Do More and Be More
- Create **awareness** of hearing loss and break down stigmas
- New **health functionalities** in our products
- Support **unmet hearing health needs** through donations and capacity-building

LCAS GOAL, SCOPE AND RESULTS

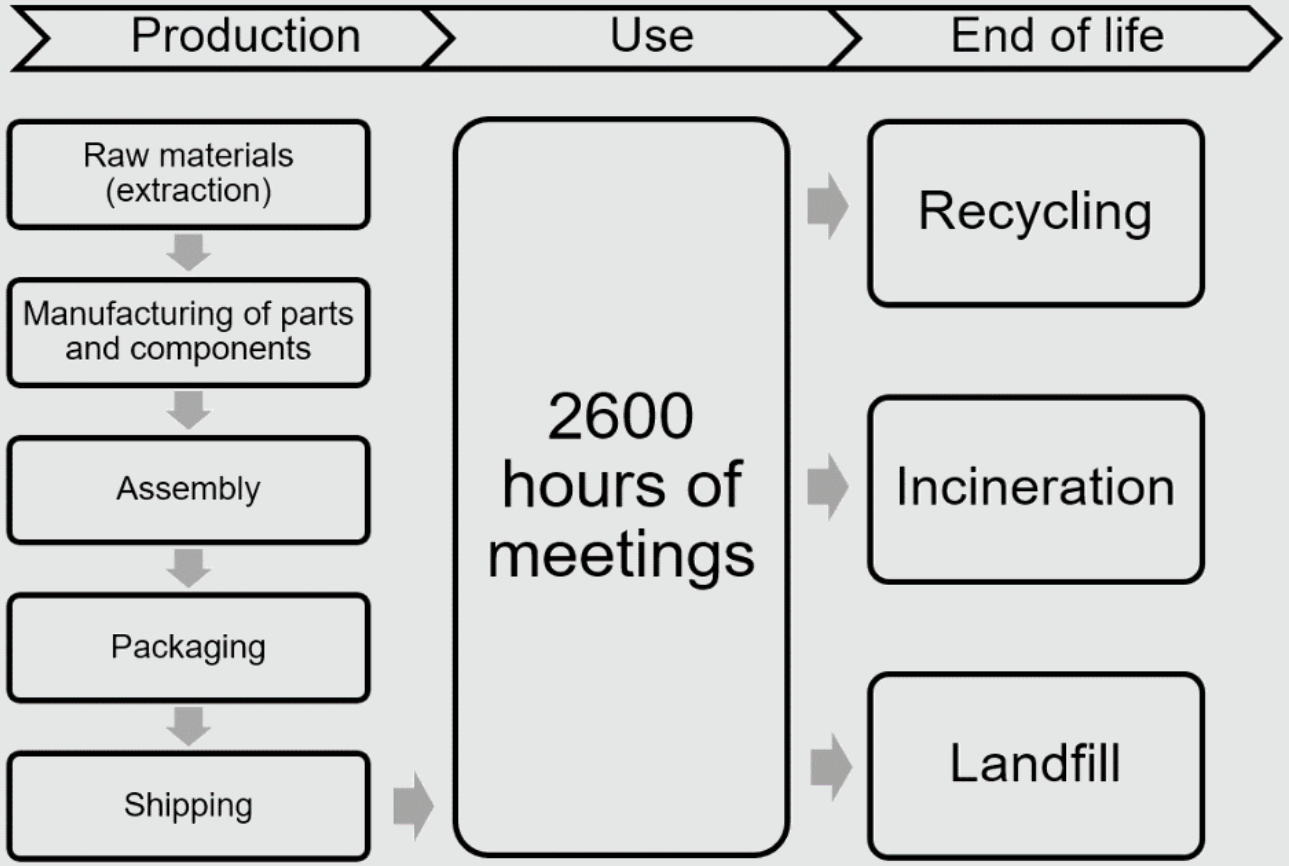
GOAL

- **Carbon footprints** for all new products
- Identify **hotspots for improvement** of new product development

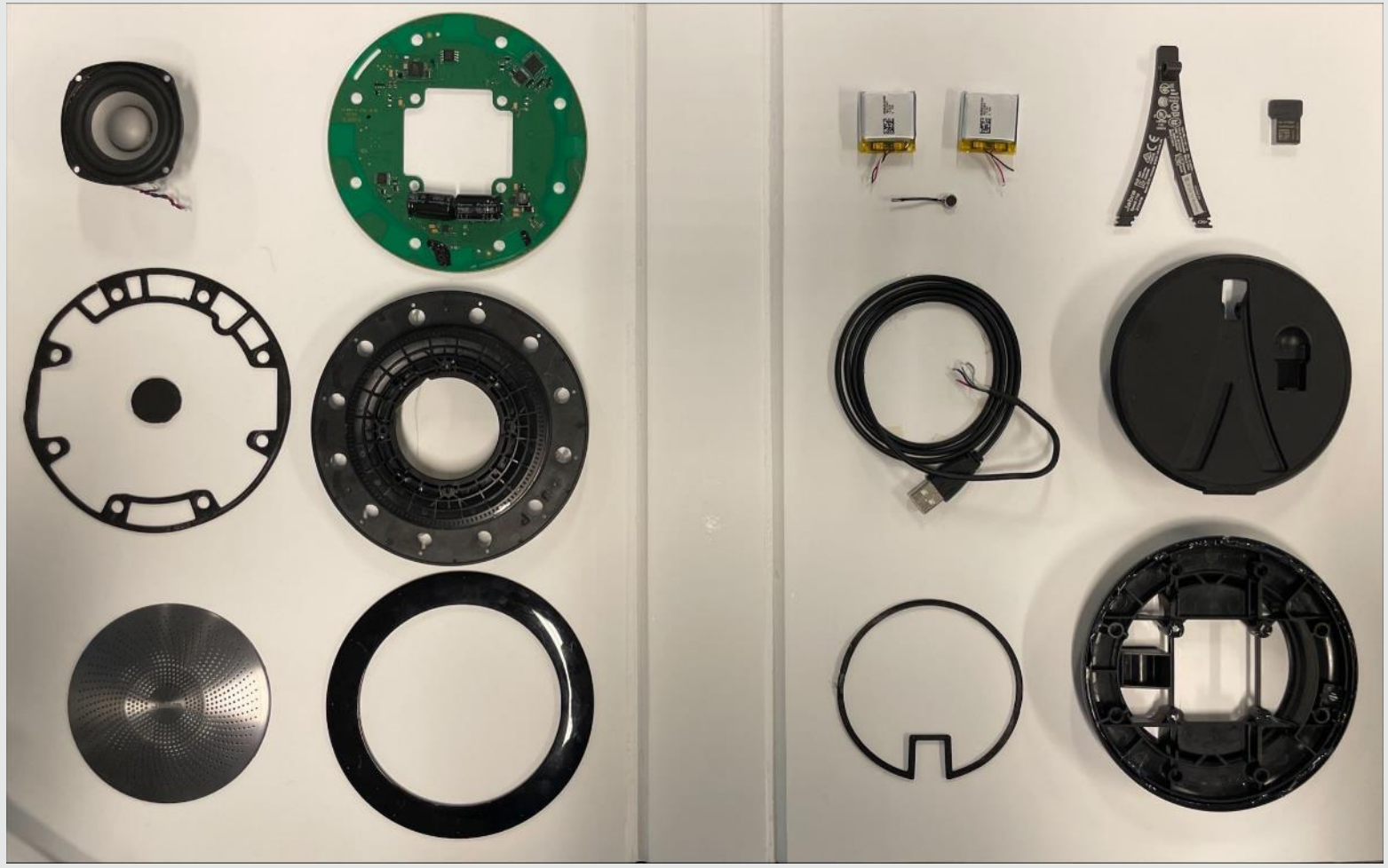
Scope

- Conducting **2600 hours** of online meetings for **2 years**, through the transmittance of (Video and) Audio between two parties, one of with is based in **London, UK**
- **5** Life cycle stages
  (Raw materials, Manufacturing, Shipping, Use, End of life)

LCA software: **Umberto 11.5**
Emission data: **Ecoinvent 3.8**



DISASSEMBLY OF PRODUCTS FOR SUSTAINABLE DESIGN AND LCA



LIFE CYCLE INVENTORY – WHAT IS INCLUDED?

LCA Phase	Part name	Ecoinvent data used	Value	Unit	Location		TeRD	TiRD	
Production	Aggregated PC Parts	market for polycarbonate	0,0007	kg	GLO	G	VG	VG	2021
	—	market for injection moulding	0,0007	kg	GLO	G	VG	VG	2021
	Aggregated PC/ABS Parts	market for acrylonitrile-butadiene-styrene copolymer	0,0006	kg	GLO	G	VG	VG	2021
	—	market for injection moulding	0,0011	kg	GLO	G	VG	VG	2021
	—	market for polycarbonate	0,0006	kg	GLO	G	VG	VG	2021
Usephase	kWh energy for 2 years use	market for electricity, medium voltage	0,2978	kWh	GB	VG	VG	VG	2021

TeRD: Technological Representativeness of Data
TiRD: Time Representativeness of Data

Measuring carbon footprint through Life Cycle Assessments (LCAs)

Sustainability starts with transparency. That's why we carry out LCAs on our products, to understand their impact on the environment. So you can see the carbon footprint of your product at a glance, and we can work to make future products more sustainable. Everybody wins.

Main life cycle stages (% of total kg CO2e)

SPEAK 750

1	Plastics	1.83 kg CO2-eq	7.84%
2	Metals	0.51 kg CO2-eq	4.88%
3	Electronic components	1.17 kg CO2-eq	11.14%
4	Printed circuit board	1.69 kg CO2-eq	16.04%
5	Manufacturing energy	1.07 kg CO2-eq	10.18%
6	Packaging	0.41 kg CO2-eq	3.90%
7	Transport	4.31 kg CO2-eq	40.86%
8	Usage	0.37 kg CO2-eq	3.50%
9	Other (foams and EoL)	0.17 kg CO2-eq	1.66%

Product carbon footprint

10.54

BV verified

Resources
Processing
Manufacturing
Distribution
Use
End of life

All estimates of carbon footprint are uncertain. Jabra has followed the LCA reporting rules from ISO 14067:2018. The report has been verified according to ISO 14067-3 Specification with guidance for the verification and validation of GHG statements, ISO 14065 Requirements for Validation and Verification, & ISO 14066 Competence requirements for GHG validation teams and verification teams. The scope of the LCA is 2 years of use in London (UK) reflecting the average warranty period and average use case.

Jabra Infographic A4

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Main life cycle stages (% of total kg CO2e)

EVOLVE2 85

1	Plastics	1.26 kg CO2-eq	15.01%
2	Metals	0.05 kg CO2-eq	0.57%
3	Electronic components	0.27 kg CO2-eq	3.22%
4	Printed circuit board	3.10 kg CO2-eq	36.83%
5	Manufacturing energy	1.16 kg CO2-eq	13.82%
6	Packaging	0.05 kg CO2-eq	0.55%
7	Transport	2.21 kg CO2-eq	26.24%
8	Usage	0.07 kg CO2-eq	0.87%
9	Other (foams and EoL)	0.25 kg CO2-eq	2.91%

Product carbon footprint

8.43

BV verified

Resources
Processing
Manufacturing
Distribution
Use
End of life

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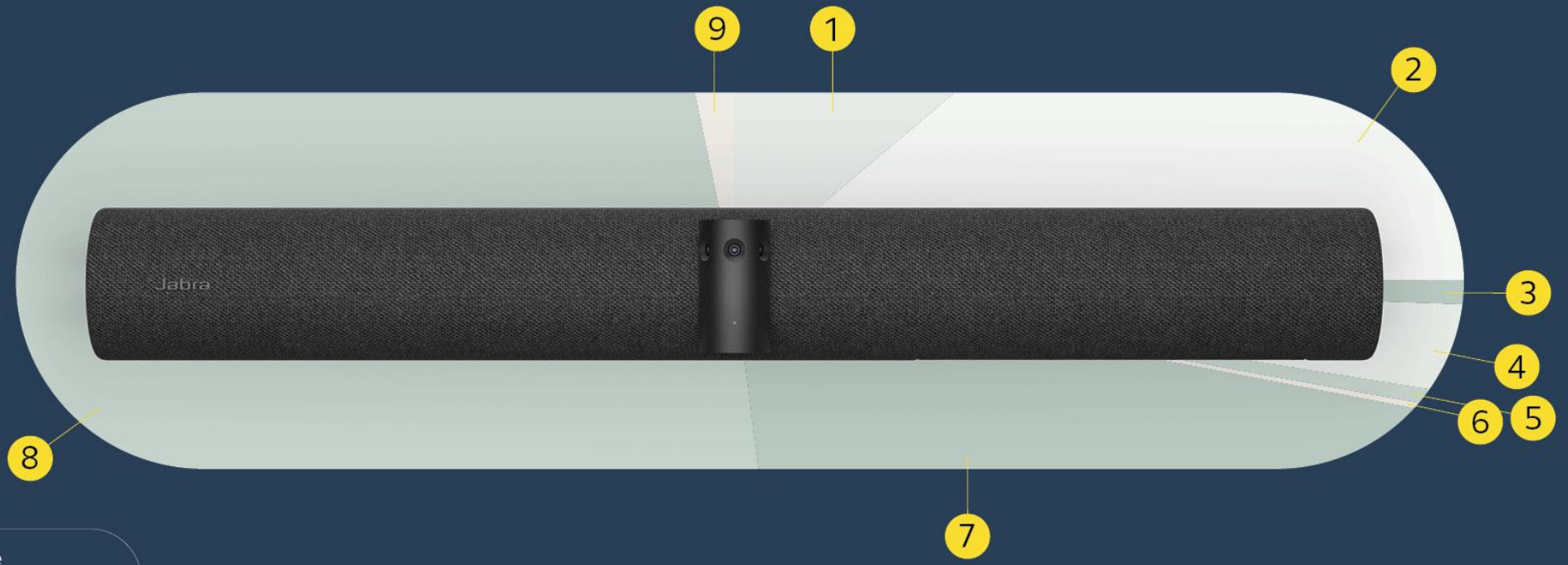

Main life cycle stages (% of total kg CO2e)

PANACAST 50

1	Plastics	6.76 kg CO2-eq	4.83%	5	Manufacturing energy	1.15 kg CO2-eq	0.82%
2	Metals	27.56 kg CO2-eq	19.69%	6	Packaging	0.54 kg CO2-eq	0.39%
3	Electronic components	2.61 kg CO2-eq	1.87%	7	Transport	20.64 kg CO2-eq	14.74%
4	Printed circuit board	10.01 kg CO2-eq	7.15%	8	Usage	69.43 kg CO2-eq	49.59%
				9	Other (foams and EoL)	1.31 kg CO2-eq	0.93%

Product carbon footprint

140.01

BV verified

Resources
Processing
Manufacturing
Distribution
Use
End of life

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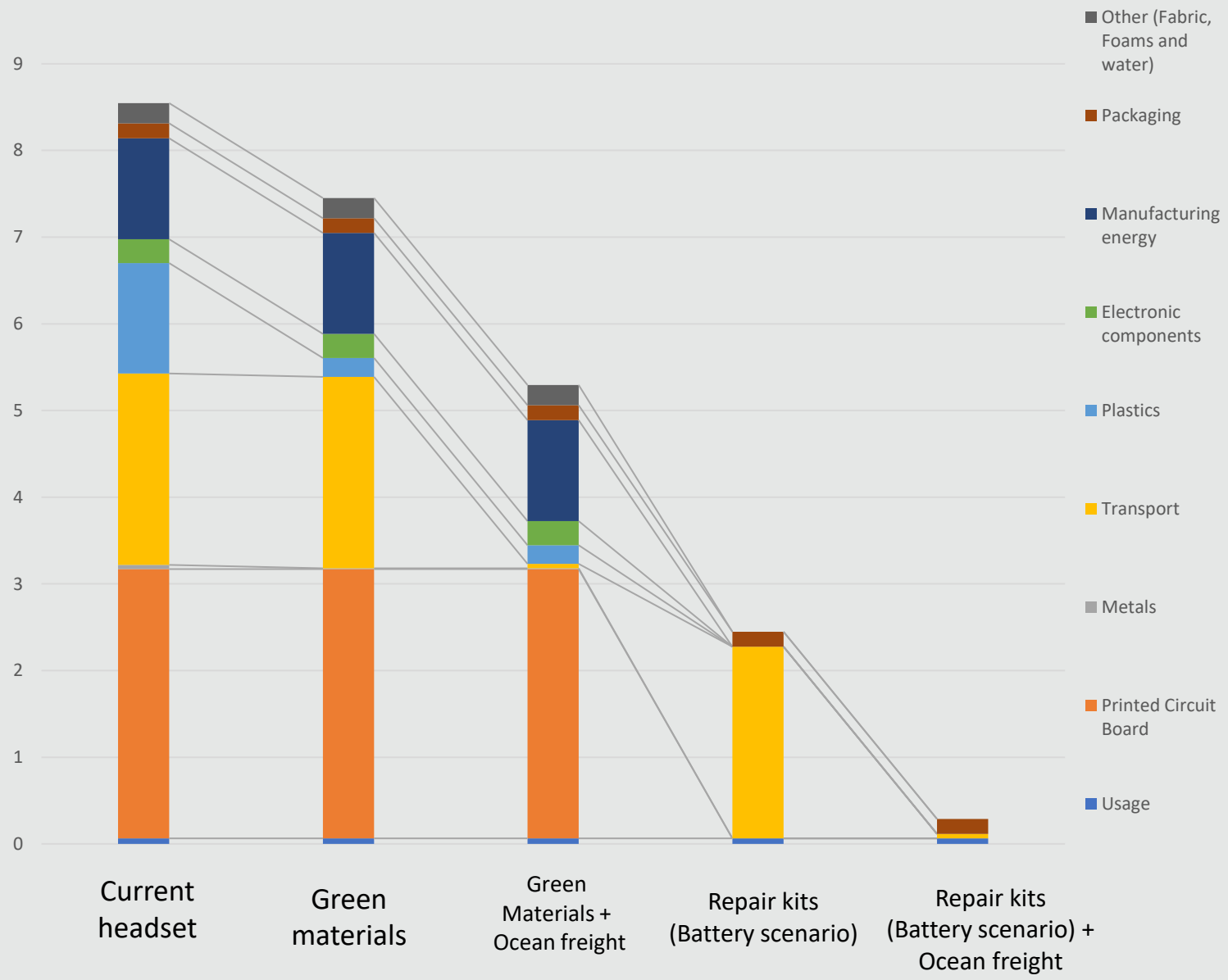
Jabra Infographic A4

PRODUCT DECARBONIZATION LEVERS

Using recycled plastics (PCR) and aluminium would reduce plastic+metal footprint **up to 83%**

Changing to ocean freight would reduce transport footprint by **~90%**

Refurbishing a product would reduce the full product footprint by **~36-57%***



*Assuming it avoids the emissions of materials, electronics and manufacturing of a separate product. Based on battery replacement scenario.

Set clear requirements
for product development

Many Jabra products are TCO Certified, the only independent sustainability certification for headsets covering the full lifecycle of products

Sustainable technology

- Sustainable materials
- Sustainable packaging
- Sustainable production and distribution
- Energy efficiency
- Repairability and durability
- Circularity and recyclability

OUR SUSTAINABLE FOCUS AREAS...

Sustainable Material

- Using Recycled plastics and metals in products
- Water-based/low VOC paint and glue as new standard
- PVC/halogen phased out

Repairability

- Tech studies to optimize repairability
- Minimize glue and hand soldering as new standard
- Replaceable battery, where possible as new standard

Energy Efficiency

- Optimize energy efficiency in all new products

Meet requirements of TCO Certification

OUR SUSTAINABLE FOCUS AREAS...

Sustainable Packaging

- Zero/minimal plastic in all new packs
- Minimize size in all new packs
- FSC certification as standard for cardboard and paper

Recycle and Reuse

- Expand take-back schemes
- Assess expanding repairability capabilities
- Expand screen and clean/refurb programmes

Sustainable Production and Distribution

- Roll out new sustainable operations strategy with more local sourcing and kitting
- Start moving own sites to renewable energy and work with suppliers on environmental performance
- Supplier data questionaires

Meet requirements of TCO Certification

ROADMAP: TARGETS AND IMPLEMENTATION PLAN 2022-2025

Implement sustainable design requirements and conduct LCAs for 50% of NPD.

Update relevant communication channels for **PCF** *(EU GREEN DEAL)*

All NPD conducts **LCA and** uses **sustainable design** requirements

2022

2025

Create supplier **sustainability questionaires** for SBTI and LCA
(Raw materials, T1+T2, costumer surveys, & EoL)

Partnerships and **standardization** of LCA methodology in the **electronics industry.**

Review and renew sustainable **Design requirements and LCA process** for reporting.


SUSTAINABILITY@JABRA.COM
THANK YOU!

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Analyze data

Combination of compliance & sustainability analysis

Combination

iPoint

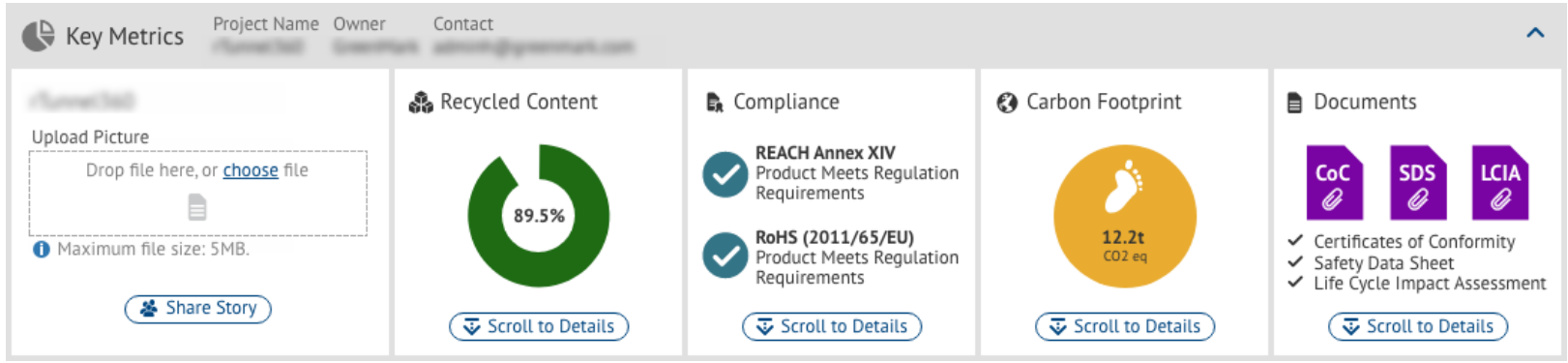
"Benefits can be fully realized when compliance and sustainability are analyzed together."

Picture original source: Abstract vector created by macrovector - www.freepik.com

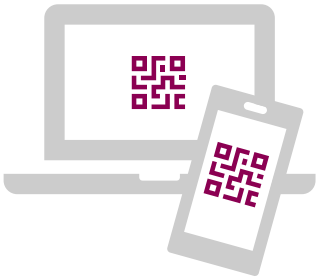
iPoint Digital Product Passport Approach

- **Connects to Digital Twin** for identification and traceability
- **Material / Product Passport** for social, environmental, and lifecycle data collection & analysis
- **Enabling** circular and high-value applications for sustainable products and materials.

Passport



Product Story



Value Chain

Waste Processors | Recyclers | Suppliers, Manufacturers | eCommerce/Retail | Consumers

The iPoint Suite & Product Passports

Enabling Sustainable and Circular Designs

iPoint

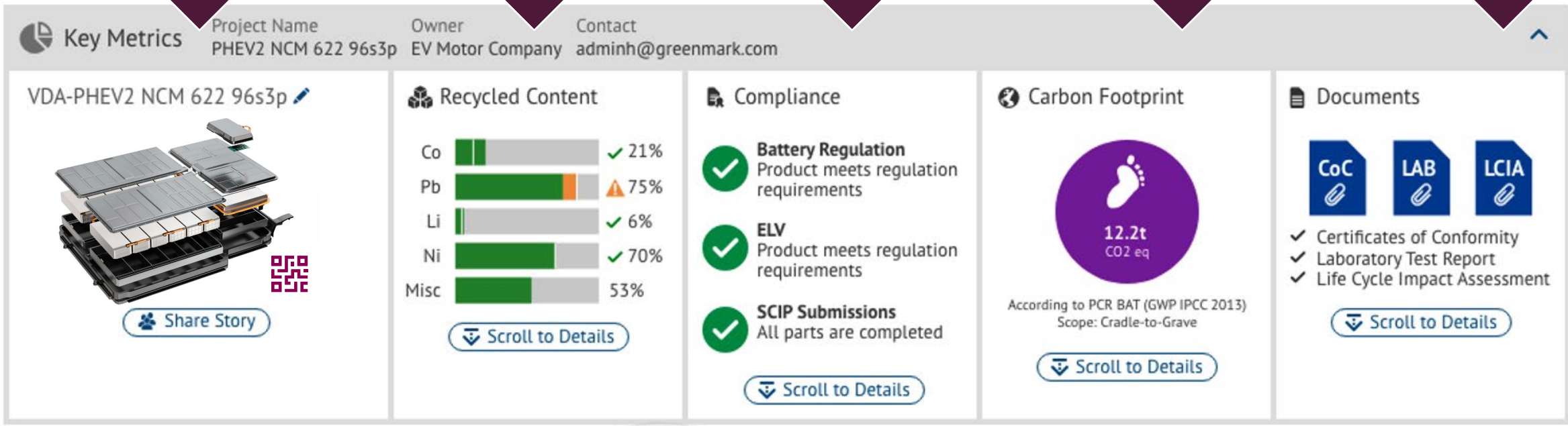
iPoint Compliance — **Material/Product Summary**

iPoint Product Sustainability — **Recycled Content & Circularity**

iPoint Compliance — **Compliance Status**

iPoint Product Sustainability — **Carbon Footprint & LCA Results**

iPoint Compliance — **Document Repository** (SDS, PDS, etc.)



Workflow LCA/Product Carbon Footprinting

iPoint

Collect

Data Sources

IMDS
BOM
Material
Weight

ERP
Part Lists
Material
Weight

LCA Data
(Ecoinvent,
cm.chemicals,...)

.xls,
.csv, .xml

Supply Chain

Analyze

Product Sustainability

BOM

LCA Results

LCA Data

Model
Repository

umberto
know the flow.
Calculation

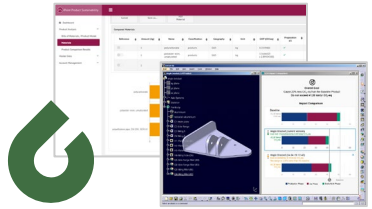
PCR certified
LCA model

Material

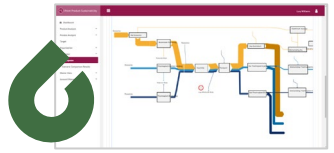
umberto
know the flow.

Report & Evolve

Web Application



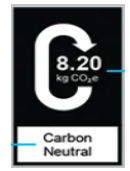
Engineer/
Designer



LCA Expert

Individual
Reporting /
Analyses

Verified
PCF/EPD



Source: Logitech

IMDS - Product Sustainability Integration

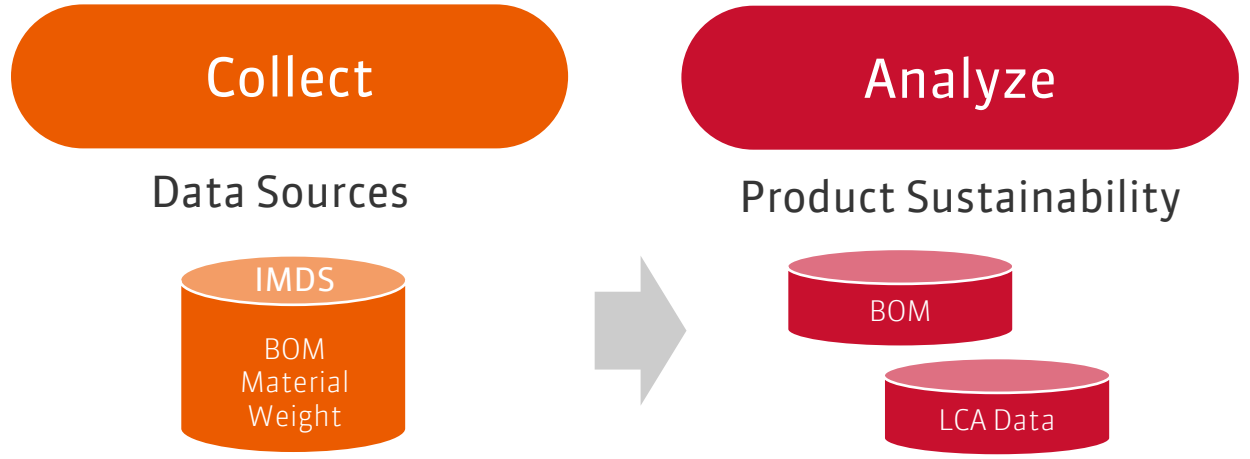
iPoint

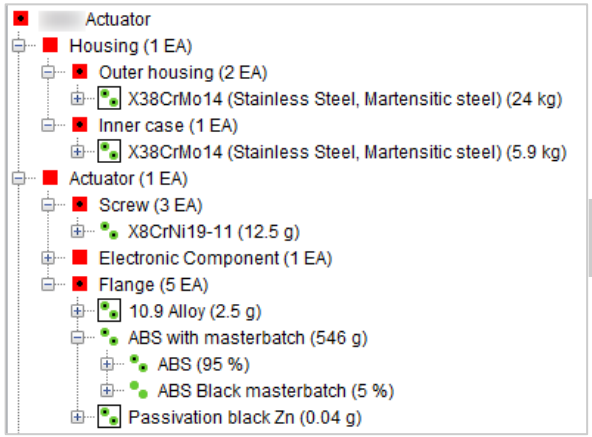
Integration between Automotive IMDS Data & LCA Product Model

- Automatic transfer of IMDS MDBs, including
  - BOM Structure (Component, Semi-Comp., Material)
  - Quantity & Weight Information
  - VDA Material Category for better matching quality

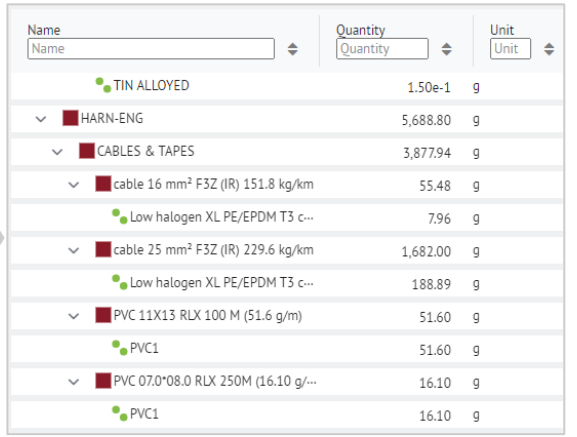
AutoLCA Function

- Automatic mapping of IMDS materials with LCIA datasets facilitated by Machine Learning Algorithm.





Screenshot of IMDS MDB from iPoint Compliance

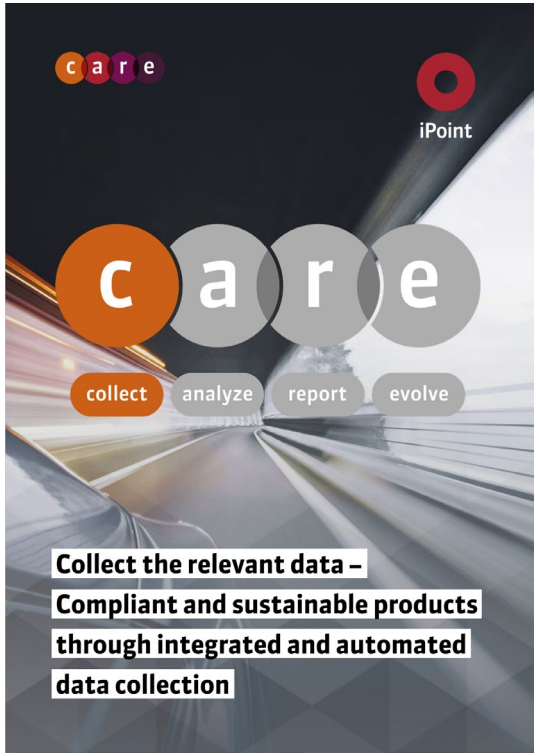


Screenshot from iPoint Product Sustainability

Outlook

iPoint's CARE principle

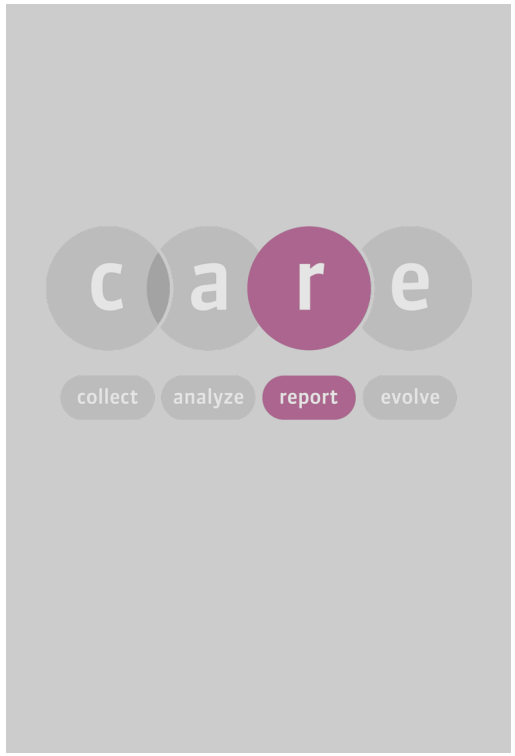
Review: Collect & Analyze



Download paper

Watch the video

Download paper



Coming up next

Coming soon

Next up: Report

iPoint

collect — the relevant data

analyze — the relations and impact

report — the right information to the permitted stakeholder

evolve — the company to minimize risk and use opportunities

Thank you very much!

iPoint

Further Questions?
Get in touch!
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