How does the new generation of TCO Certified help on sustainable IT procurement?

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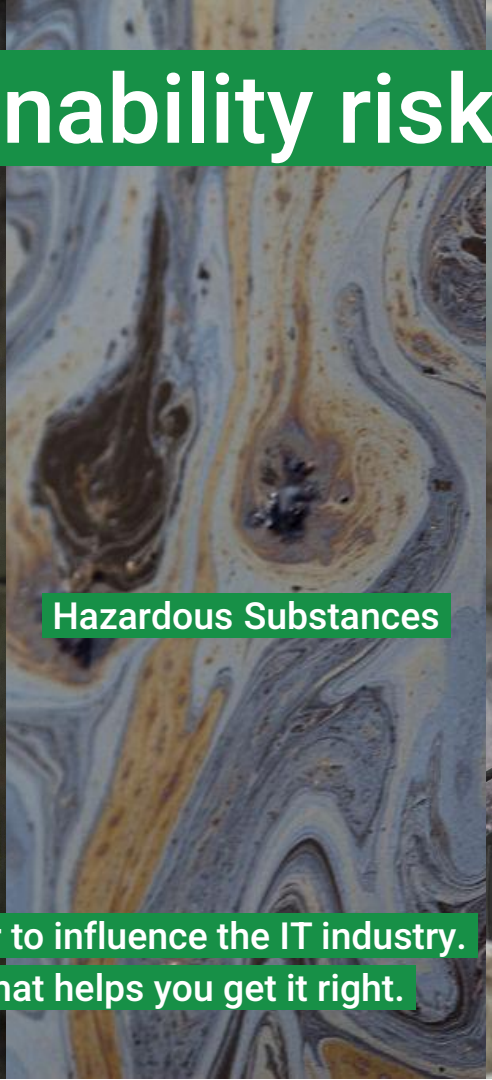
TCO Development

IT comes with sustainability risks, for example:

Supply chain working conditions & human rights

Conflict Minerals



Hazardous Substances

E-waste

Procurement has the power to influence the IT industry.
TCO Certified is a tool that helps you get it right.

About TCO Certified

Global sustainability certification for IT products

TCO Certified is the leading sustainability certification for IT products, driving social and environmental sustainability throughout the IT product life cycle.

Comprehensive, up to date criteria

A new generation of TCO Certified is launched every three years, to meet the most pressing sustainability challenges and drive faster change.

Independent verification of compliance

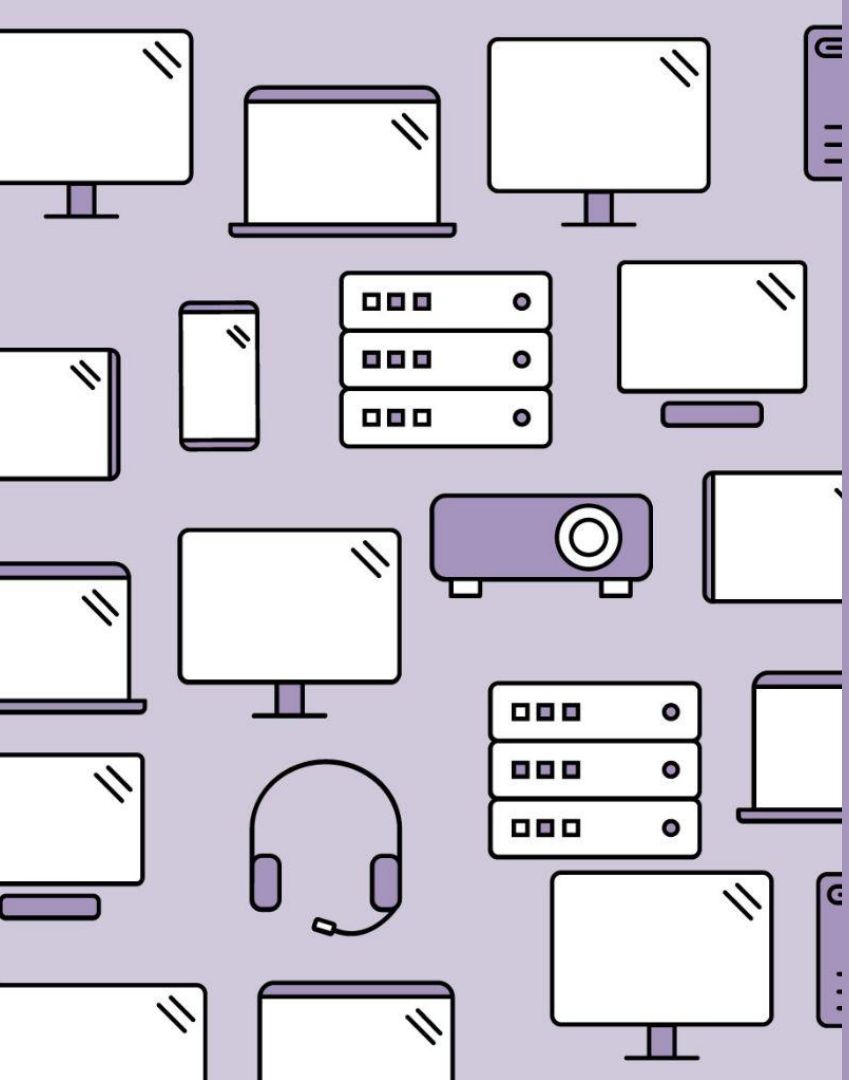
Compliance is independently verified, both pre and post certification. TCO Certified also includes a system for dealing with identified instances of non-compliance.

Comprehensive and verified IMPACT

1. Environmental and supply chain social responsibility
2. Independent verification
3. Industry accountability

NO GREENWASH

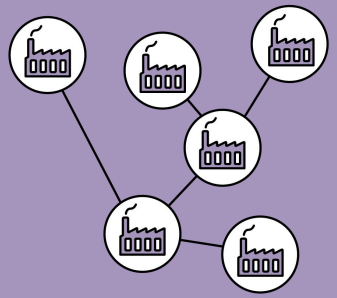
Every year - 20,000 hours of verification - products, factories, supply chains



TCO Certified, generation 9

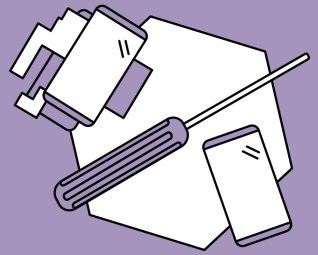
Launched on Dec. 1st, 2021

What's new in TCO Certified generation 9



Further up in the supply chain

Process chemicals



Circularity

SPI

Socially responsible manufacturing

Bringing transparency
further up the supply chain

TCO Certified Accepted Factory List

– turning more sustainable practices into good business

Minimum requirements for all factories

- Factory is registered in TCO Certified Portal.
- Independent audits of entire factory.
- Maximum 60 hour workweek.

All factories start at category 1.
If they are not certified according to SA8000 findings are usually major or priority non-conformities.

TCO Certified Accepted Factory List

– turning more sustainable practices into good business

Category 1

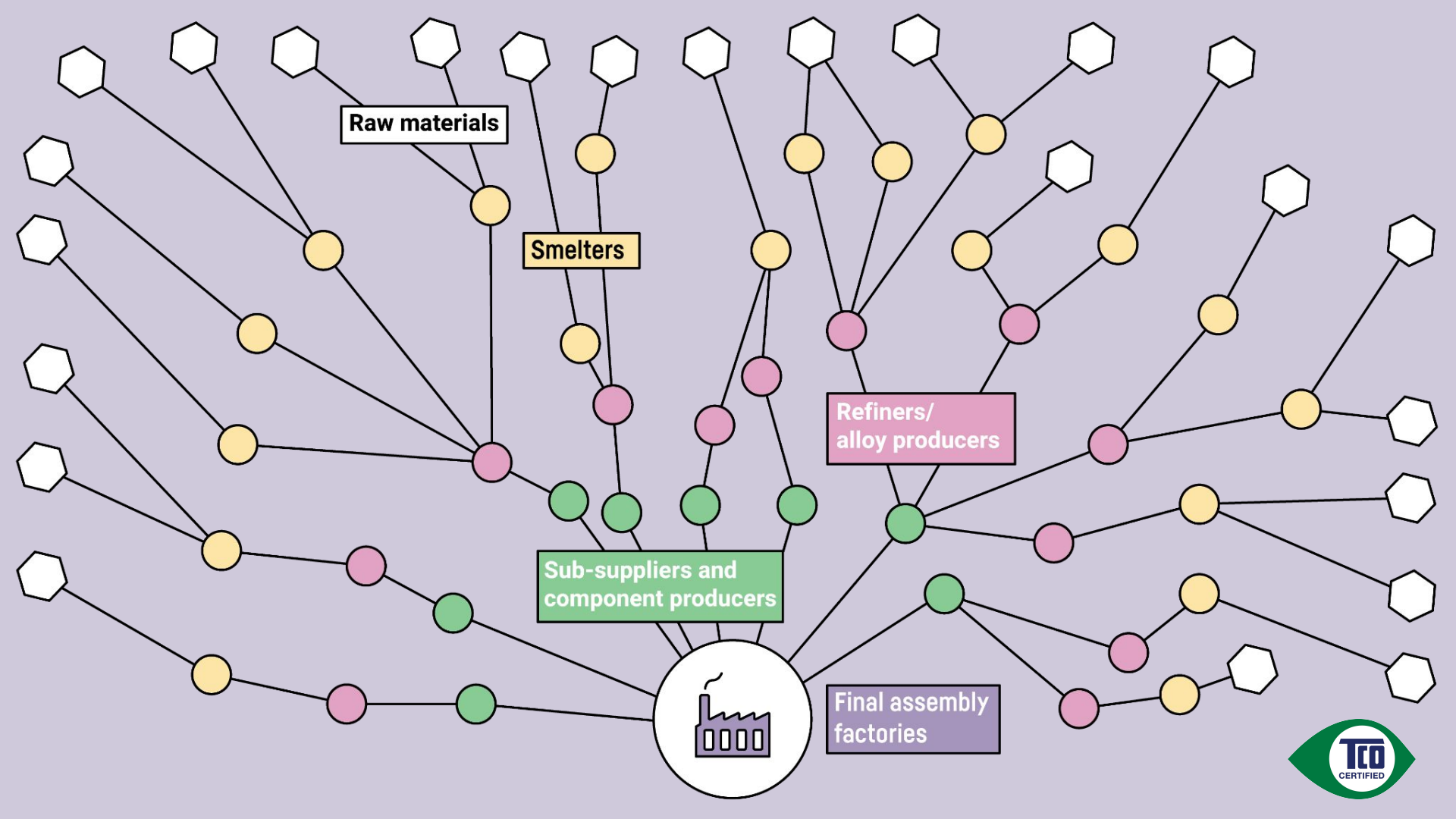
- **Major or priority non-conformities** are found

Category 2

- Factory with **minor non-conformities**
- Factory in **high risk country**

Category 3

- Factory with **minor non-conformities**
- **SA8000** OR factory in **low risk country**


Raw materials
Smelters
Refiners/
alloy producers
Sub-suppliers and
component producers
Final assembly
factories

Further up in the supply chain

- We **increase the leverage of our criteria** by requiring transparency about which **sub-suppliers are being used.**
- Mapping out the supply chain allows for **better risk assessments** and more effective spot checks, **which closes loopholes**.
- We take the **next step in combating corruption** in the supply chain of certified products by requiring compliance with the more **ambitious anti-bribery standard ISO37001.**
- To ensure that **minerals are sourced responsibly,** independent verification of due diligence now continues **further up the supply chain, all the way to the source of the minerals.**

Further up in the supply chain

Purchasers

- TCO Certified helps get the purchasers voice directly into the IT supply chain, where our comprehensive criteria and independent verification ensure progress.

Industry

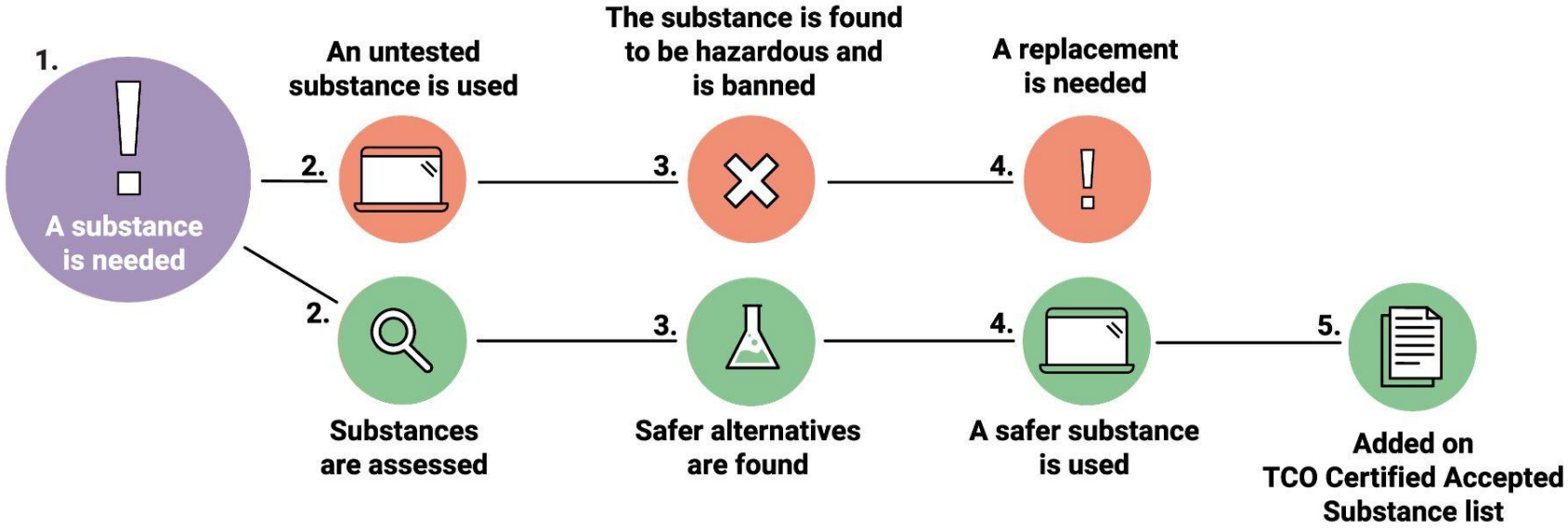
- We offer a structured platform to guide industry progress, making your work with sustainability more efficient.

Hazardous substances

System for safer chemicals
expands from product to production

TCO Certified Accepted Substance List

– making safer chemicals the mainstream choice



TCO Certified Accepted Substance List is public and safer alternatives are made available to all.

Expands from product to production

- Our **groundbreaking system** for safer substances is expanded to **also cover process chemicals.**
- **Only allowing safer substances** in the production process helps protect the **health and safety of workers, and reduces the environmental risk.**

Expands from product to production

Purchasers

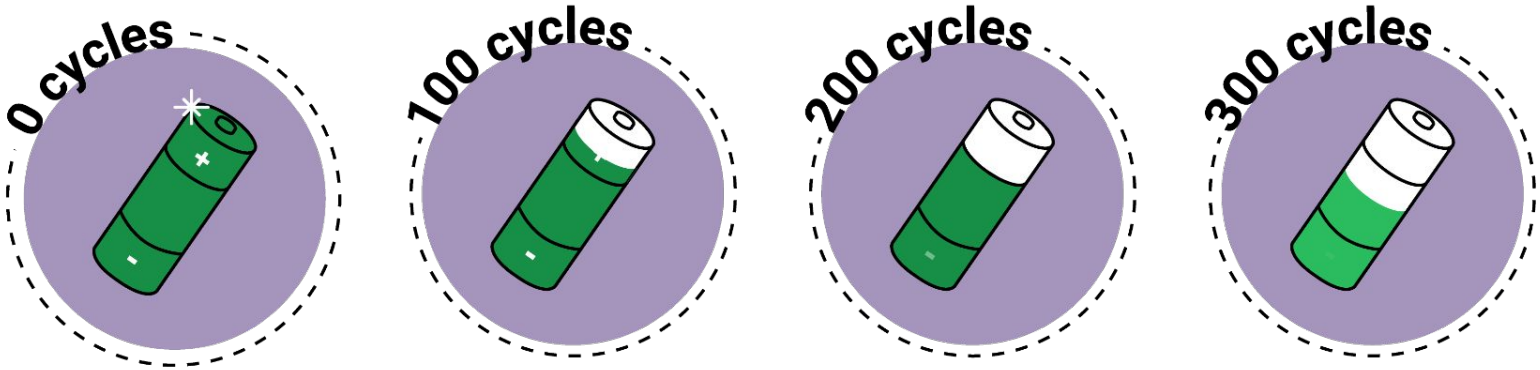
- Purchasers can specify certified products with confidence — knowing that chemical substances are verified as safer for workers and the environment.

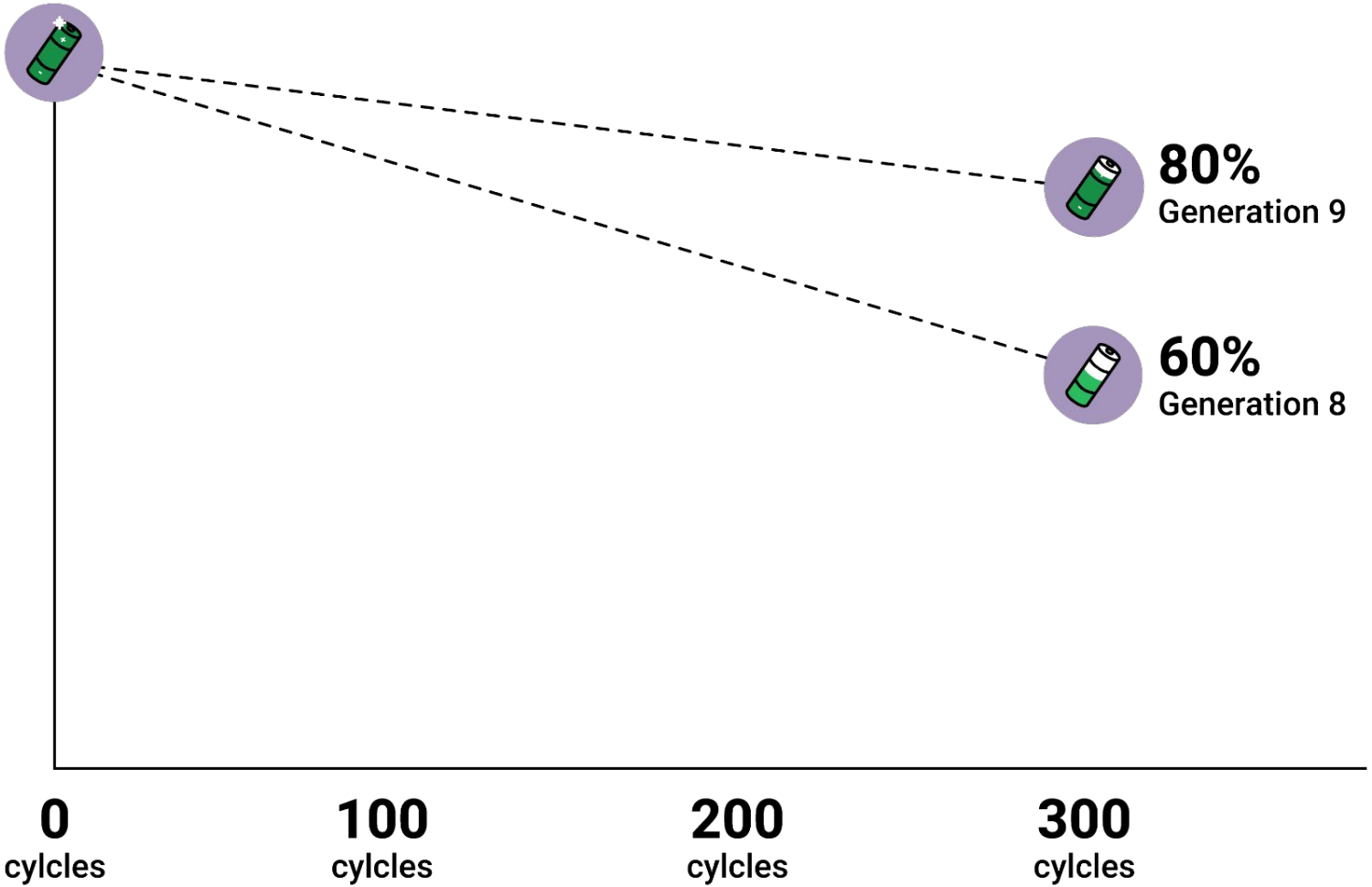
Industry

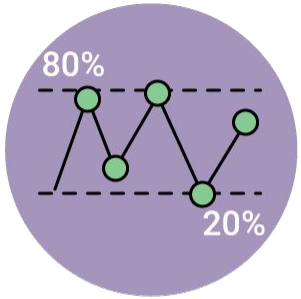
- IT brands can make informed choices on chemical use and can avoid expensive product recalls or transitions to another chemical if a substance becomes restricted by legislation.

The next step toward Circular IT management

Batteries lose quality over time




80%
Generation 9
60%
Generation 8
0
cylcles
100
cylcles
200
cylcles
300
cylcles

	Battery Longevity	Battery information and protection	Standardize charging
			
Notebooks			
Smartphones			
Tablets			
Headsets			

The next step toward circular IT management

- We move forward to **enable circular IT solutions** with more ambitious criteria aimed at **extending the life of IT products and reducing e-waste.**
- Products must be **durable, repairable, upgradable, and recyclable.** Replaceable components and **software for removing data securely** and **extending battery life** must be made available.

The next step toward circular IT management

Purchasers

- Circular criteria help purchasers lower greenhouse gas emissions, reduce e-waste and maximize the value of IT investments.

Industry

- The IT industry can move toward a more circular business model in a structured way, and credibly communicate the sustainability benefits to purchasers.

Sustainability Performance Indicators (SPI)

Enabling data-driven decision making and sustainability reporting

Three kinds of SPIs

SPIs marked with “X”

are collected annually either through the **SAQ or together with annual submissions**.
(X = Always collected during annual reporting)

SPIs marked with “Y”

are collected by the **verification organization during application and product testing**.
(Y = Always collected during product testing/verification/application process)

SPIs marked with “Z”

are considered **beyond the scope of mandates** in TCO Certified and are therefore not required for compliance with TCO Certified. Products will receive the lowest classification if no data is provided for the evaluation. (Z = Additional information by the applicant/brand owner is needed)

Sustainability Performance Indicators (SPI)

- To **increase transparency** around certified products, more than **40 new Sustainability Performance Indicators** (SPIs) are added.
- SPIs make it possible to **identify products that are best-in-class** from a sustainability perspective and exceed the requirements of TCO Certified.
- To **ensure accurate reporting**, gathered data is **verified by independent experts**.

Sustainability Performance Indicators (SPI)

Purchasers

- SPIs help purchasers make more informed purchasing decisions and measure and report the true sustainability impact of specifying TCO Certified and of the certified models they actually buy.
- Using SPIs in TCO Certified also reduces reliance on unverified product claims and lowers the risk of being subject to greenwash.

Industry

- Brand owners can measure their sustainability progress and compare with peers to identify areas where they excel and where there is room for improvement.

SPIs -> Benchmarking

Benchmarking - Step 1 - Industry

- **What?** A comparison tool for products and brands on up to **27 SPIs.** Compares against the rest of the certified products in the same product category.

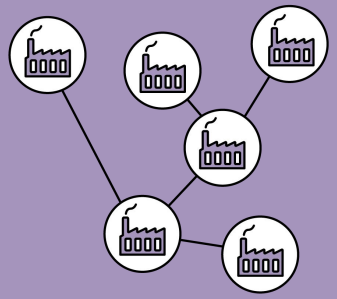
- **When?** First version will be launched on **Dec 1st** for the industry only.

- **Why?** Give access to actionable data on product and brand performance. Incentivise going beyond the core criteria.

What about the purchasers?

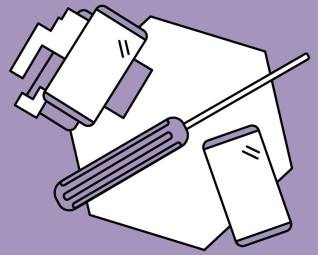
- In Q1, the purchaser benchmarking tool is going to be developed.
- We want stakeholders to be involved in the process (including all of you!)
- The aim is to create a web based tool where the certified products can be compared.

RECAP: What's new in TCO Certified generation 9



Further up in the supply chain

Process chemicals



Circularity

SPI

Benefits

– using TCO Certified in your IT procurement

Reduce risk - raise impact

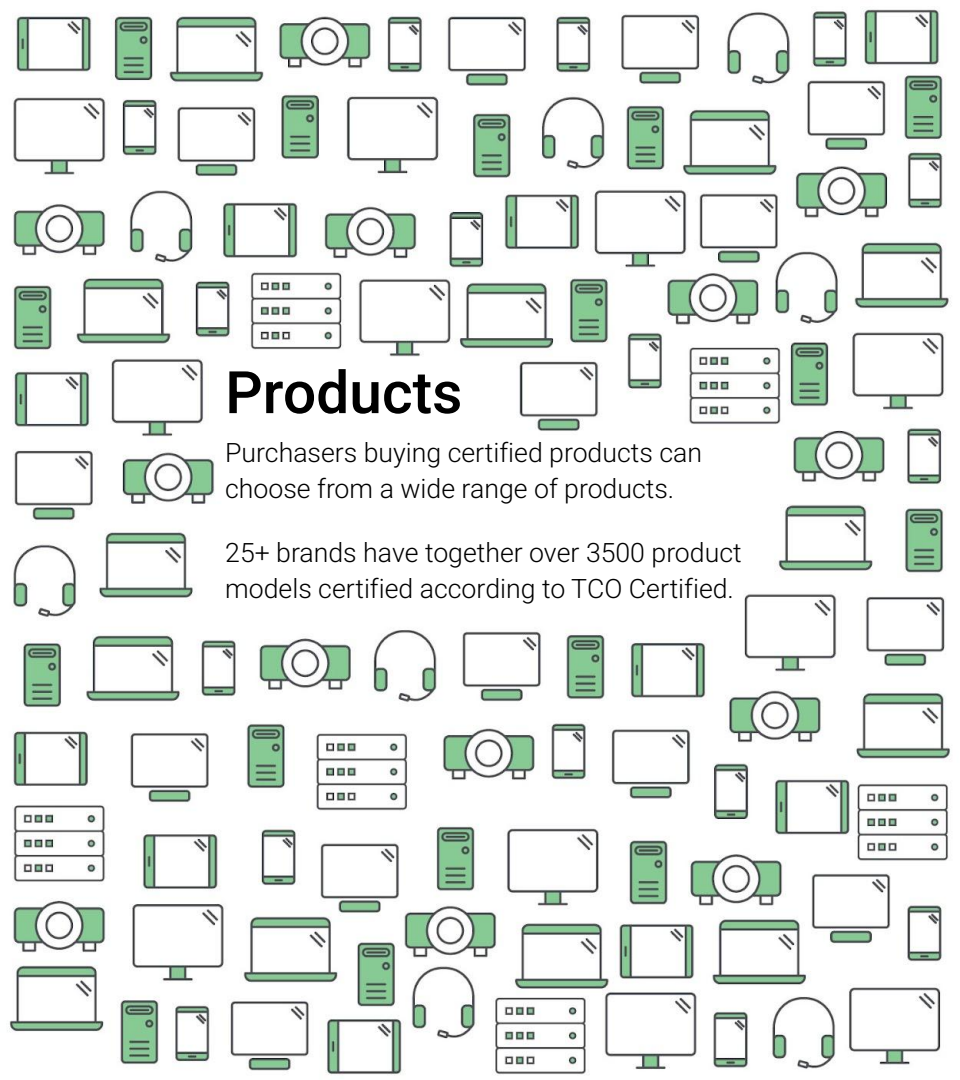
• Up to date criteria set - drives change faster where it matters
• Ongoing monitoring of industry progress and corrective actions

Save resources

• Helps you better manage and measure the IT products life cycle
• Includes specialized, independent verification of products and factories

Complete sustainability certification

• Environmental and supply chain social responsibility



Products

Purchasers buying certified products can choose from a wide range of products.

25+ brands have together over 3500 product models certified according to TCO Certified.

View all certified products in our product finder at our website

Notebooks x

BRAND	SALES NAME	CE
DELL	Latitude 5511 TCO Certified	202
DELL	Precision 3551 TCO Certified	202
DELL	Latitude 3410 TCO Certified	202
DELL	Latitude 3510 TCO Certified	202
Lenovo	Lenovo 100e Chromebook 2nd Gen	202
Lenovo	Lenovo 300e Chromebook 2nd Gen	202

Thank you!