PCF Platform

For the Chemical Industry

Atos
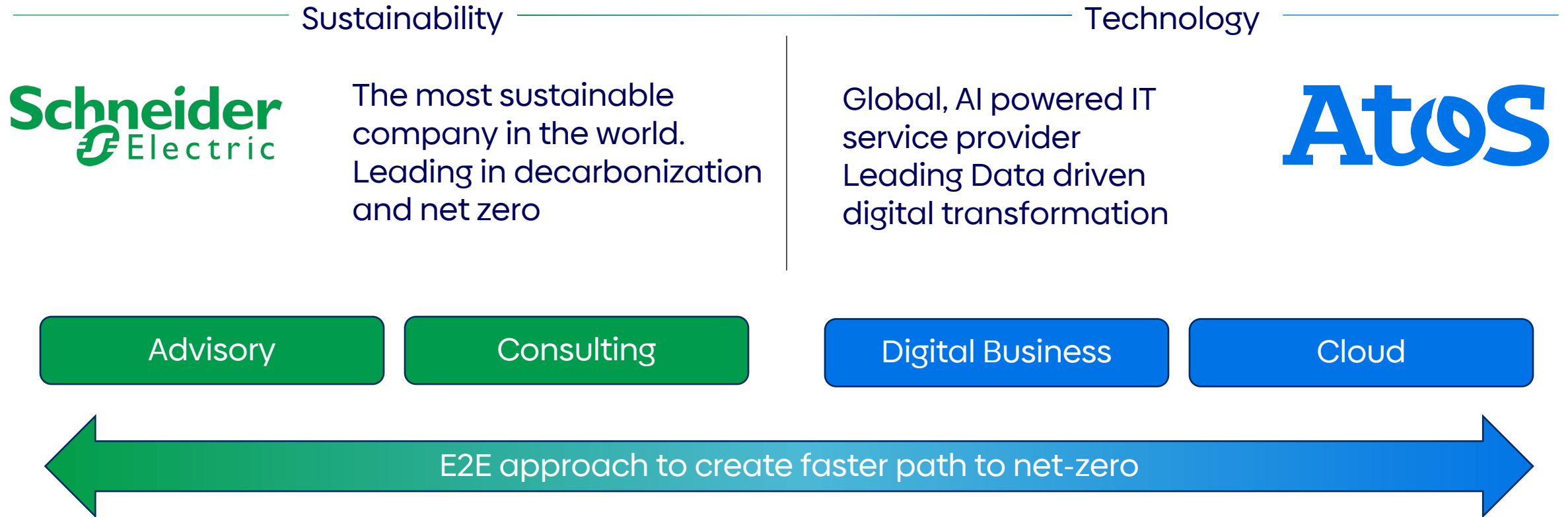
With PCF Platform,
we expand the possibilities of customers' product data,
to make the carbon emissions of their products transparent
automated and at scale.

Atos

To act for a net-zero and sustainable digital world

You need to find a partner with the right competencies

Sustainability | Technology

Schneider Electric

The most sustainable company in the world. Leading in decarbonization and net zero

Global, AI powered IT service provider Leading Data driven digital transformation

Atos

| Advisory | Consulting | Digital Business | Cloud |

E2E approach to create faster path to net-zero

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A Snapshot

BASF provides digital solution & TfS methodology for calculating the Product Cabon Footprint

Atos is the partner for the development & distribution of a software platform based on this methodology to make the PCF Calculations approach available to the industry

TOGETHER FOR SUSTAINABILITY

TÜVRheinland® Approved

ISO Compliant

GREENHOUSE GAS PROTOCOL

State of the Art & Industry proven

TRINSEO
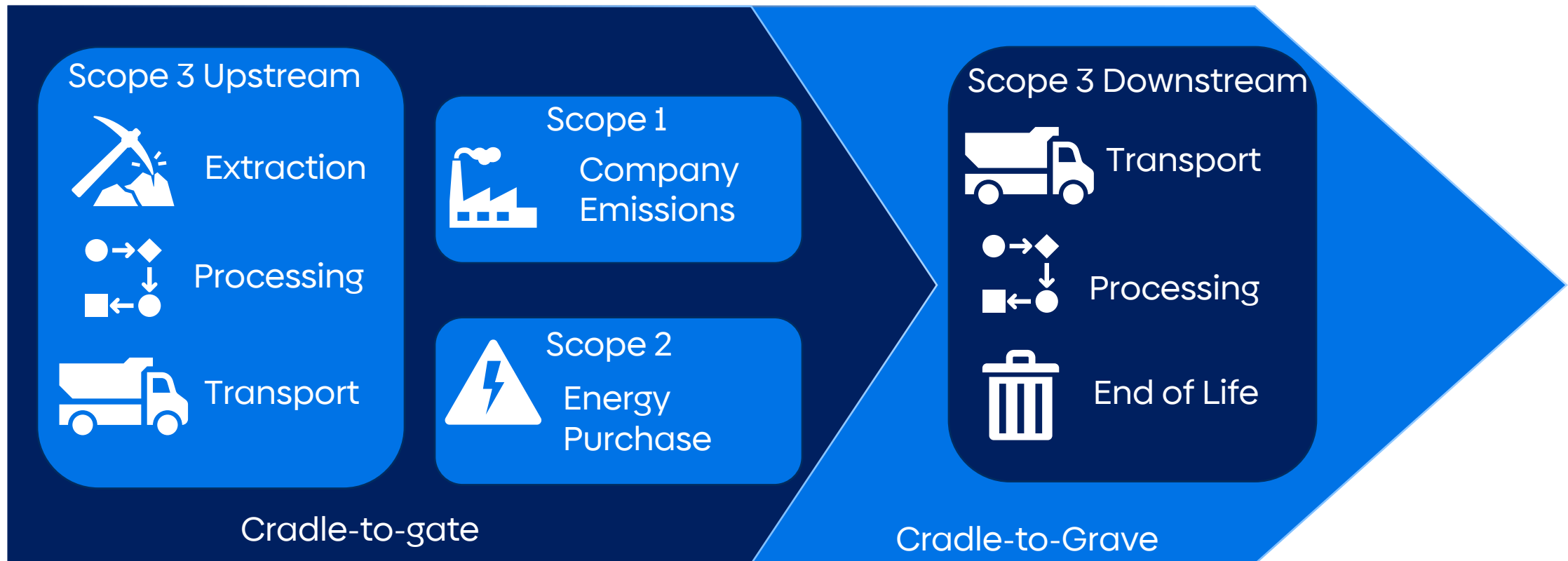
VENATOR

BASF
We create chemistry

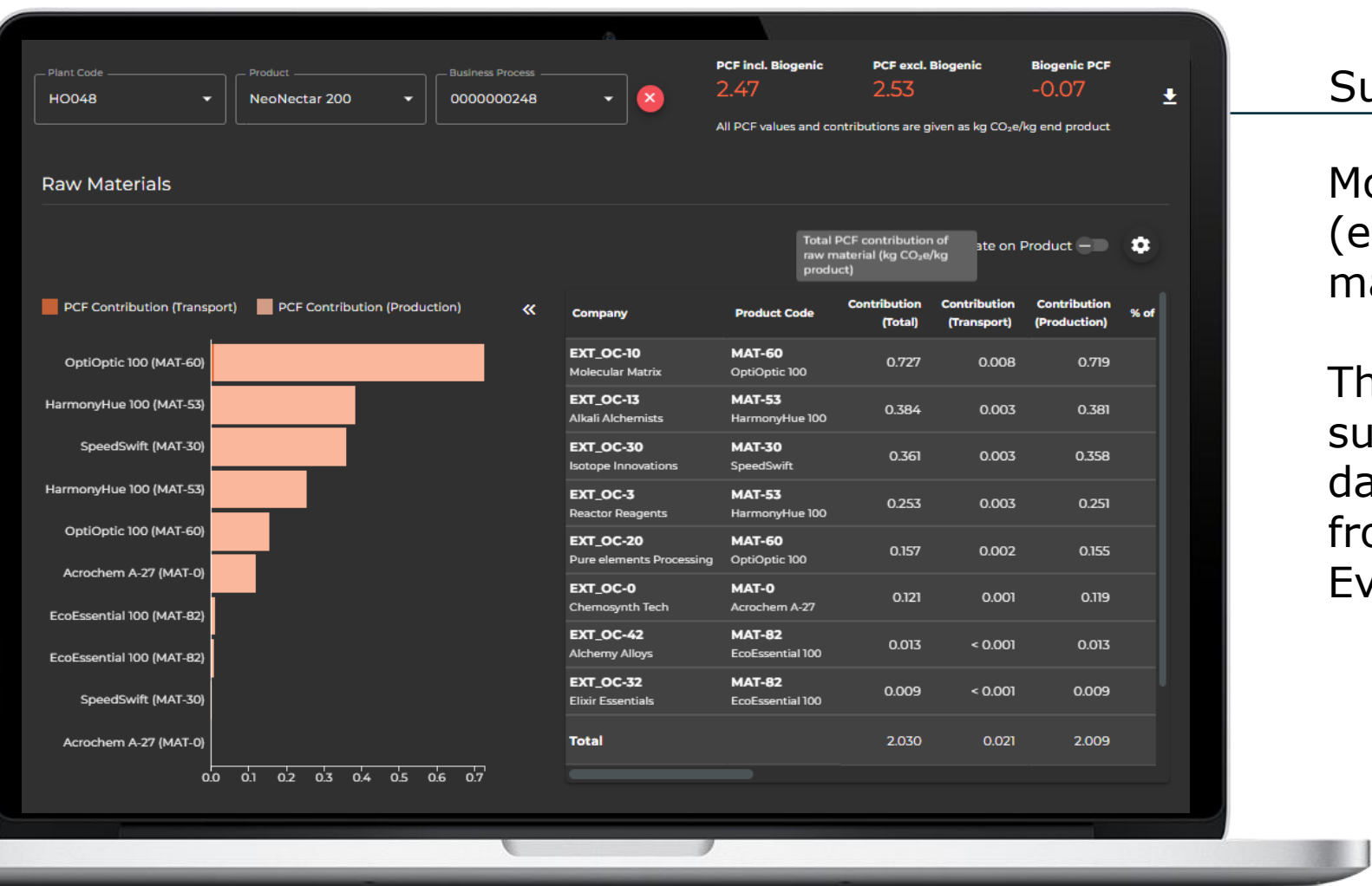Be a part of setting a global standard of PCF calculations in the chemical and process industries

Automate your PCF calculation & Expand the possibilities of your Product data, with transparency of your carbon emission

Increase the USP of your products

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PCFs summarize the specific amount of greenhouse gas (GHG) emissions associated with a product thoughout its life cycle

Scope 3 Upstream
- Extraction
- Processing
- Transport

Scope 1
Company Emissions

Scope 2
Energy Purchase

Scope 3 Downstream
- Transport
- Processing
- End of Life

Cradle-to-gate

Cradle-to-Grave

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Increase accuracy using best available data

Supplier specific data

Most PCFs rely on secondary data (e.g. LCA databases) for raw material emissions

The PCF Platform allows to use both, supplier specific and secondary PCF data. For example secondary data from ecoinvent can be sourced by Eviden.

Gain Transparency with valuable insights

Internal supply chain

Chemicals companies often produce themselves products that are then used for other products.

The platform enables calculation of PCFs for products with an "internal supply chain" consistently and transparently.
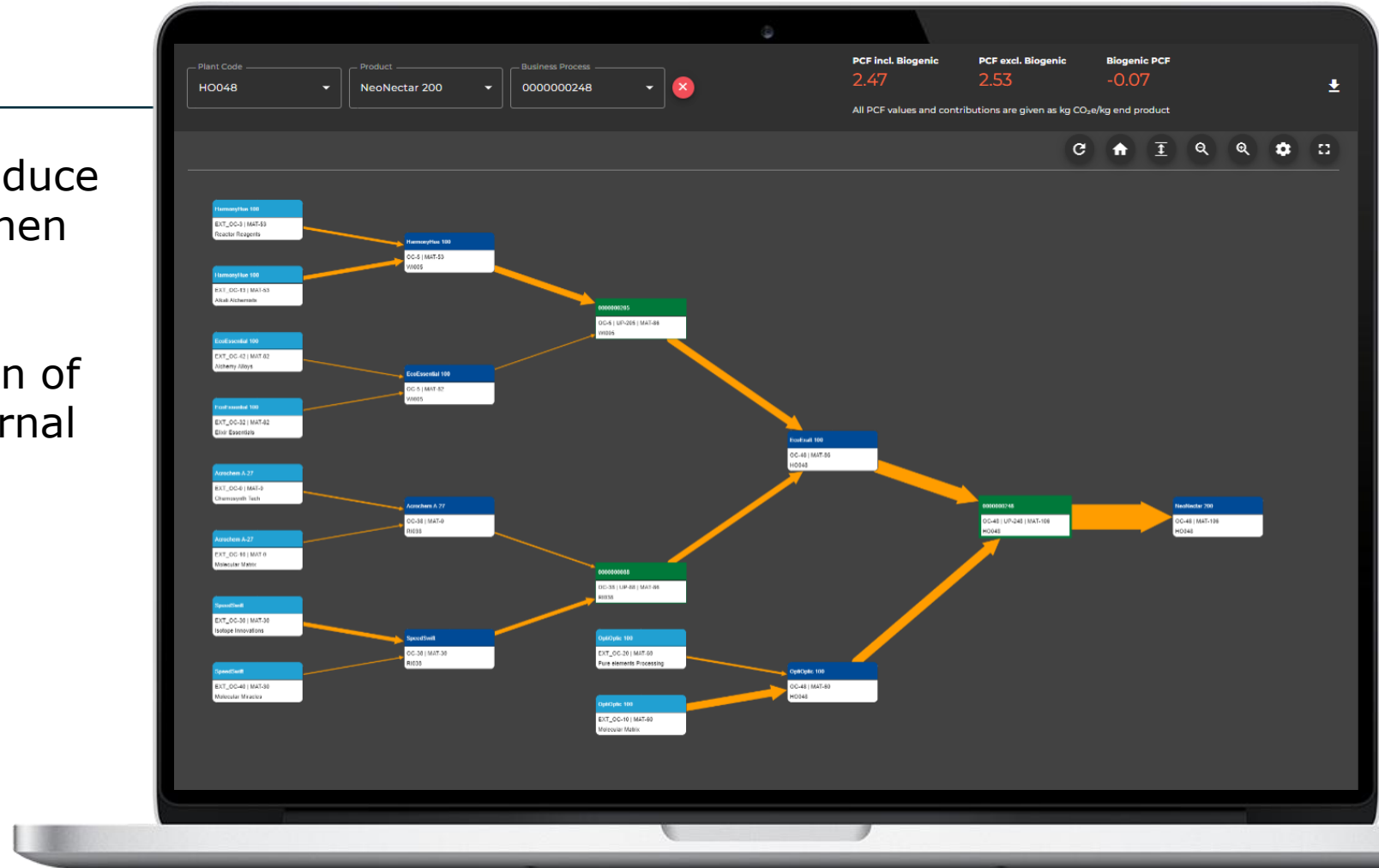
Consider by-products with standardized allocation rules
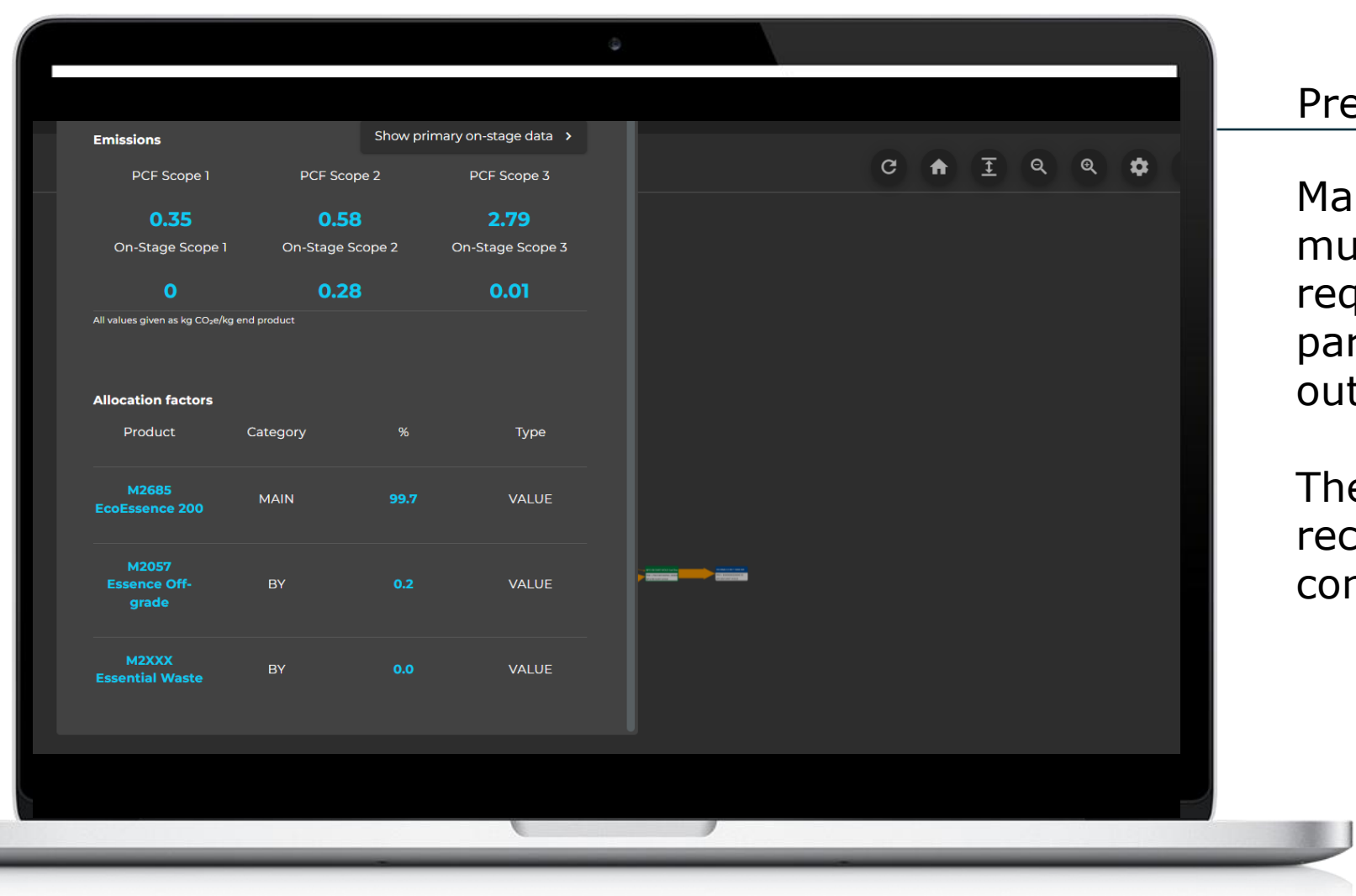
Pre-defined allocation

Many chemical processes create multiple outputs. Within LCA this requires allocation. Allocation is partitioning emissions from a multi-output process to individual outputs.

The PCF platform provides a recognized allocation hierarchy consistent across the portfolio.

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Demo

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Roadmap to Automated Carbon Footprint Calculations

Discovery

Pilot

Enterprise

5 months
(2 months impl. / 3 months piloting)
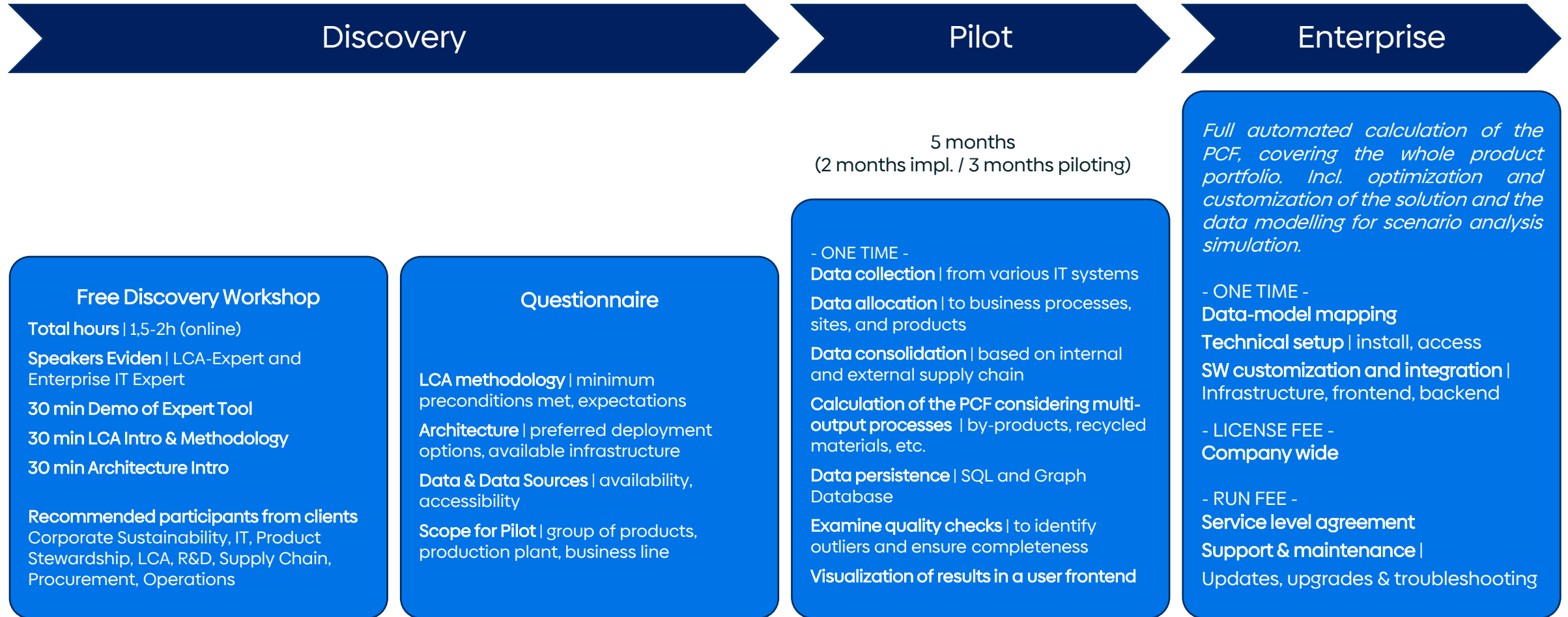
Free Discovery Workshop

Total hours | 1,5-2h (online)

Speakers Eviden | LCA-Expert and Enterprise IT Expert

30 min Demo of Expert Tool

30 min LCA Intro & Methodology

30 min Architecture Intro

Recommended participants from clients
Corporate Sustainability, IT, Product Stewardship, LCA, R&D, Supply Chain, Procurement, Operations

Questionnaire

LCA methodology | minimum preconditions met, expectations

Architecture | preferred deployment options, available infrastructure

Data & Data Sources | availability, accessibility

Scope for Pilot | group of products, production plant, business line

- ONE TIME -
Data collection | from various IT systems

Data allocation | to business processes, sites, and products

Data consolidation | based on internal and external supply chain

Calculation of the PCF considering multi-output processes | by-products, recycled materials, etc.

Data persistence | SQL and Graph Database

Examine quality checks | to identify outliers and ensure completeness

Visualization of results in a user frontend

Full automated calculation of the PCF, covering the whole product portfolio. Incl. optimization and customization of the solution and the data modelling for scenario analysis simulation.

- ONE TIME -
Data-model mapping

Technical setup | install, access

SW customization and integration | Infrastructure, frontend, backend

- LICENSE FEE -
Company wide

- RUN FEE -
Service level agreement

Support & maintenance | Updates, upgrades & troubleshooting

AtoS

Your Experts

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