Customize Sustainability Solutions with Planckton Data's Honeycomb Model

Sustainability is a rapidly evolving space because of changing regulations, reporting standards, and an ever-expanding range of pathways to address impact. Interpreting this ever-changing landscape, preparing to adhere to the requirements and executing to meet those requirements can be a formidable challenge. Most sustainability solution providers try to tackle this with either a monolithic technology product or a range of consulting services. Either of these approaches fails to address the needs of a changing landscape. At Planckton Data, we recognized the limitations of these traditional approaches and forged a new path, placing the client's context and specific challenges at the heart of our sustainability strategy: The Honeycomb Model.

PLANCKTON
DATA

The Honeycomb Model

At Planckton Data, we have developed a network of interconnected capabilities, akin to the cells of a honeycomb, which can be seamlessly woven together to form a comprehensive solution. Each cell brings distinct differentiators and can seamlessly integrate with existing client components, providing a unique and agile approach to solving complex sustainability problems.

ENVIRONMENTAL ACCOUNTING AND CALCULATIONS

External Source (EPA,IPCC DEFRA, Scope 3)

Emission Factor Library

Formula Library

WBCSD Pathfinder Network

Frameworks (GREET, GLEC)

Optimization Algorithms

External Source Libraries (Weather, Price, Solar, Shipping)

Calculation Engine

LCA Models (LNG - GIIGNL)

Marginal Abatement Cost Curve

ACTION WORKFLOWS

Enterprise Data Lakes

Data Management (data quality, pipelines)

Data Connect API and ETL Library

Open Footprint Data Model

Data Model Extensions (all environment domains)

Data Output API Library (OFP View)

Pre-Configured Analytics

On-Demand Analytics

CORE ANALYTICS

DATA ENGINEERING

IoT / IIoT Integration

AI Regulatory Explorer

DATA MODEL

Voluntary Reporting (GRI, CDP, ISSB)

Regulatory Reporting (EPA, EU-ETS, CSRD)

Verification Support

AI Decarbonization Pathways and Scenarios

AI Report Generation

Evolving Regulations (SEC)

REPORTING WORKFLOWS

What Sets Our Approach Apart

Our approach introduces a paradigm shift that yields a range of benefits:

Freedom from Monolithic Solutions: Instead of being confined to a rigid monolithic product, you tailor your solutions according to evolving needs and the dynamic sustainability landscape.

Rapid Solution Development: By tapping into the specialized capabilities of individual cells, solutions can be swiftly crafted to address specific challenges, leading to quicker and more effective problem-solving.

Adaptability and Upgradability: As requirements change, individual cells can be swapped out or upgraded, ensuring that the solution remains aligned with the latest demands.

Interoperability: Our approach seamlessly integrates with existing solution elements, maximizing the value of your existing investments.

Actionable Results: We don't just provide consulting insights; our interconnected cells offer practical solutions that yield immediate and tangible results.

The **Solution Components**

The Honeycomb Model comprises five distinct but interconnected areas, each designed to address a specific aspect of the sustainability puzzle:

AI Integration: At the forefront of our problem-solving arsenal is artificial intelligence. Leveraging our robust AI infrastructure, we harness the power of AI to tackle critical sustainability challenges such as regulatory interpretation, data quality enhancement, data gap mitigation, and substitution rules, driving informed decision-making.

Data Engineering: The foundation of our approach, lies in the ability to connect with your data ecosystem, establish core sustainability data management principles, and construct robust data pipelines. Ensuring accurate and comprehensive data is the first crucial step towards any sustainability transformation journey.

Accounting and Calculations: In a world of shifting requirements and diverse reporting standards, our team stays abreast of changes so you don't have to. We provide transparency and traceability to calculation and accounting processes, giving you confidence in your sustainability data.

Workflows: Our customisable and reusable workflow components empower you to configure solutions tailored to your unique needs. From regulatory and voluntary reporting to operational enhancements, modelling, and actionable sustainability initiatives, our workflows span the spectrum.

Core Analytics: We empower businesses and organizations with powerful tools, including intuitive dashboards, analytics, and precise intensity calculations. These capabilities offer invaluable insights into your sustainability initiatives, helping you make informed decisions, track progress, and optimize your environmental impact. With our analytics capabilities, you can navigate the complex landscape of sustainability with clarity and confidence, ensuring that your actions align with your goals and contribute to a greener, more responsible future.

Data Model: Sustainability data must be collected once and used across various contexts. Our approach aligns with global open-source models that adhere to fundamental frameworks like ISO, GHG Protocol, and Open Footprint, ensuring interoperability and consistency.

Embracing the Future

Planckton Data's Honeycomb Model envisions a holistic and adaptable solution to the intricate challenges posed by the evolving sustainability landscape. By empowering you to leverage specific cells as needed, we pave the way for rapid and effective problem-solving. Our interconnected framework is designed not just to consult on challenges but to provide actionable and immediate solutions.

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Get In Touch

We empower companies in their sustainability journey with our comprehensive, forward-looking solutions.

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