



SINAI

**Enabling Sustainable Investments
with Artificial Intelligence**

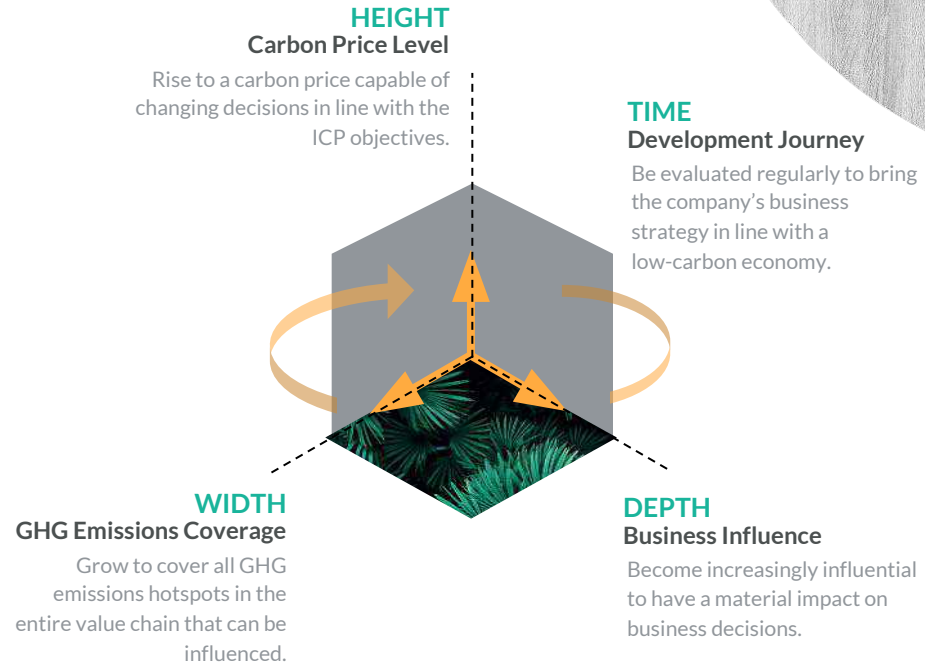
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ICP SOFTWARE FRAMEWORK

The 4D framework provides companies with a structure to align their existing ICP approach to best practices or establish a best practice ICP from the outset.

The development of an ICP approach is a dynamic and iterative process. When rolling out or evaluating the approach, new issues may arise that require adjusting the design along the four dimensions, on a current basis.

The implementation of an ICP should be a long-term proposition so the results can drive change in the decision making process and the company's culture itself, towards low-carbon investments.



SINAI'S PRICE SET UP

SINAI is combining internal and external data into our proprietary software system, to design the best approach for setting up a carbon price tailored to clients.

01

INTERNAL
CONSULTATION



Use business decisions took in the past to determine the carbon price levels that would have affected decisions, and assess how these would have affected the bottom line.

02



TECHNICAL
ANALYSIS

Detailed assessment of the cost of potential measures along the company's entire carbon footprint to meet its targets. The carbon price can be set by constructing marginal abatement cost curves, crossing over required emissions reductions and the costs of the measures established by the company.

03



PEER
BENCHMARK

Staying ahead of the competition by using a price higher than peers, would improve business case for developing new innovative products and services or future-proofing assets and investments against regulation.

04



Data analytics suitable for companies with objectives that depend on external policy or market developments. Resources include the Carbon Pricing Corridor Initiative, IEA scenarios or price projections from market analysts.

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A.I. TECHNOLOGY

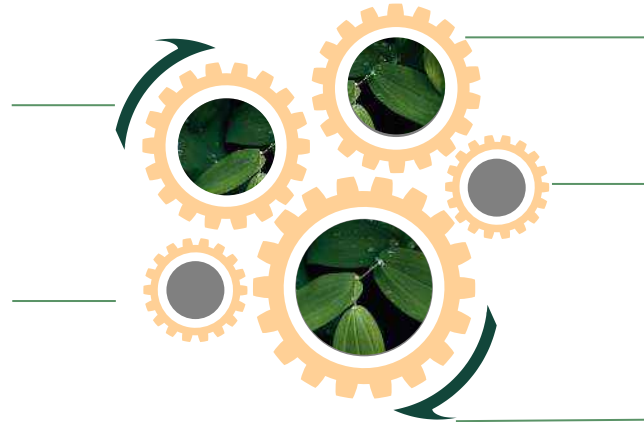
The only analytics platform to combine structure and unstructured data for carbon emissions assessment, monitoring, pricing and risk analysis.

ARTIFICIAL INTELLIGENCE & DEEP LEARNING

Our AI engine learning processes combine the latest in supervised, semi-supervised, and unsupervised techniques with the experience of a high quality team of environmental scientists.

NATURAL LANGUAGE PROCESSING

Our algorithms are able to efficiently process, understand and interpret large amounts of natural human language data, making it easier to extract relevant information with little or no user input.



DATA AUGMENTATION

We use estimation, statistical models, web crawling, classification and our sustainability database for data imputation and augmentation. This provides in depth insights while minimizing data collection requirements.

SUSTAINABILITY DATABASE

Our sustainability database is constructed with historical data from selected sustainable projects, publicly available data sources, such as the IPCC, published papers and studies, organizations, and governments.

PREDICTIVE ANALYSIS

Our AI engine is able to make time series forecasting from selected datasets, to predict future behaviors and statistical analysis to improve investments accuracy.

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ICP TECHNICAL CALCULATION

SINAI's DATA MODELLING

1

INITIAL SET UP

Input: Company's general information and each business unit setup individually.

Output: Data classification and clustering according to sectors and locations, separated by each business units.

2

BUSINESS AS USUAL SCENARIO

Input: GHG emissions historical data; reduction targets; and other KPIs.

Output: Emissions intensity, necessary reductions over time and business as usual (BAU) scenario time series forecasting.

3

LOW CARBON SCENARIO

Input: Financial and Environmental data for each mitigation option suggested or new option creation.

Output: Cross- reference performance between MAC curve, implementation costs and Low-carbon scenario generation per business unit.

4

BUSINESS CASE, MACC AND BECP

Output: Complete business-case for each mitigation option; MAC curve; Wedge Graph; Break-even Carbon Price; and many other financial and environmental indicators for each business unit and for the entire company.

5

BENCHMARKING O&M

Output: Historical and future key metrics evaluations

Follow-up for each mitigation option in the system.

Benchmark of prices around the world with climate risk indicators integrated.

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