

AI Asterion | ESG Beacon

ESG Governance, Sustainability Metrics & Framework-Aligned Disclosure

One structured ESG record — nature and industry thriving side by side.



EXECUTIVE SUMMARY

ESG Beacon brings environmental, social and governance data together in one structured record — so reporting is consistent, evidence-backed and ready for scrutiny.

- 

It aggregates ESG data across emissions, energy, water, waste, workforce and governance from across your operational sites.
- 

It replaces scattered spreadsheets with a single structured metric set organised against global reporting frameworks.

- 

It reduces greenwashing and disclosure risk by tying every metric to a consistent, auditable source.
- 

It gives sustainability, investor-relations and board stakeholders one live view of ESG performance.



WHAT THE PLATFORM ENABLES

- 1

One structured ESG record across environmental, social and governance domains
- 2

Emissions, energy, water and waste metric tracking by site
- 3

Social impact and governance metric capture
- 4

Metrics organised against GRI, SASB, TCFD and CDP
- 5

Investor, board and stakeholder ESG dashboards
- 6

A defined ESG diagnostic and deployment roadmap



TYPICAL OUTCOMES

- 

Consistent metrics across every reporting cycle
- 

Reduced greenwashing and disclosure exposure
- 

Faster, evidence-backed reporting preparation
- 

Clear visibility of data gaps and reporting readiness

ESG Reporting Is Broken at the Source

Reporting demands are accelerating — driven by investors, regulators and supply chains. Most organisations still struggle to aggregate reliable ESG data, and it shows in the wider market numbers.

55%

of CFOs fear their reporting looks like greenwashing (EY 2024)

96%

of finance leaders say non-financial data isn't fit for purpose

39%

cite varying data formats as a top data problem

35%

cite data inconsistencies across systems

 SCATTERED DATA

1

ESG data lives across dozens of systems

2

Unvalidated and inaccessible when it matters

3

No single source of truth for disclosure

 GREENWASHING RISK

1

Inconsistent metrics erode credibility

2

Unverified reporting invites scrutiny

3

Material regulatory and reputational exposure

 WEEKS OF DELAY

1

Manual aggregation stretches reporting cycles

2

Reporting lags stakeholder demand

3

Confidence erodes with every delay

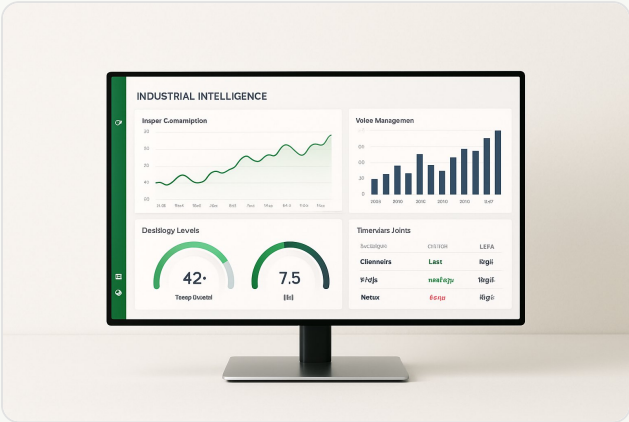


Six Integrated Capabilities. One ESG Platform.

ESG Beacon covers the full ESG data picture — environmental, social and governance — in one connected module, organised against the frameworks your stakeholders expect.



1 Emissions & Energy



2 Water & Waste



3 Investor Dashboards

CAPABILITY		WHAT IT DELIVERS
1	Emissions & Energy Monitoring Scope 1, 2 and 3 emissions and energy data tracked across sites	→ Where do emissions and energy sit today?
2	Water & Waste Management Consumption, discharge and waste classification with threshold alerts	→ Are we within environmental limits?
3	Social Impact Reporting Workforce diversity, community engagement and social investment tracking	→ How is social performance tracking?

CAPABILITY		WHAT IT DELIVERS
4	Governance & Policy Tracking Board composition, ethics programmes and policy compliance status	→ Is governance being upheld?
5	Framework-Aligned Disclosure Metrics organised against GRI, SASB, TCFD and CDP requirements	→ Is our data disclosure-ready?
6	Investor & Stakeholder Dashboards Live ESG performance views for IR, board and stakeholder reporting	→ Can stakeholders see the truth fast?

 **BUILT ON INTERNATIONAL ESG FRAMEWORKS**

 GRI

 SASB

 TCFD

 CDP

 IFC Performance Standards

 UN SDGs

Built for ESG Leaders and Their Stakeholders

From data capture to board-level disclosure, ESG Beacon serves everyone in the ESG chain.

-  Sustainability Director — owns ESG strategy execution and stakeholder reporting across the organisation.
-  Environmental Manager — tracks emissions, energy, water and waste against regulatory thresholds.
-  Investor Relations — produces framework-aligned disclosures for investors, analysts and rating agencies.
-  Board / Governance — monitors enterprise ESG performance with real-time dashboards and trends.



One live view of ESG performance, shared across the leadership team.



DESIGNED TO
AGGREGATE
ACROSS THE
ASTERION
SUITE



SHREQ360 — safety
and environmental
incident data



CrewOptix —
workforce diversity and
training data



AssetVault — asset
energy and
environmental impact



ONE STRUCTURED ESG RECORD. **CONSISTENT,
EVIDENCE-BACKED DISCLOSURE.** FEWER SURPRISES
AT REPORTING TIME.



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