GELECTRIC

GELECTRIC PRODUCT OVERVIEW

Digital noon reports

From messy emails to structured, audit-ready noon reports

Crew email

```
SUBJECT: NOON REPORT - MV ATLANTIC
POS: 24.5N 121.2E
SPD: 14.2 KTS
FUEL ROB: 420.5 MT HFO
WEATHER: BF 4, SLIGHT SEA
ETA: SINGAPORE 12/04 0800
REMARKS: SLIGHT SLIPPAGE IN PORT MAIN
```

24 fields validated

HOW IT WORKS

Keep the crew's reporting routine

No new software on board. The starting point is the report your crew already sends.



STEP 01

The crew sends the usual email

Same format, same routine, nothing new to learn.



STEP 02

You copy in Gelectric

Add Gelectric to the existing reporting email.



STEP 03

Structured data arrives

Free-form text becomes validated, audit-ready information.

THE TRANSFORMATION

From crew email to validated data

INCOMING CREW EMAIL

```
SUBJECT: NOON REPORT - MV ATLANTIC
POS: 24.5N 121.2E
SPD: 14.2 KTS
FUEL ROB: 420.5 MT HFO
WEATHER: BF 4, SLIGHT SEA
ETA: SINGAPORE 12/04 0800
REMARKS: SLIGHT SLIPPAGE IN PORT MAIN
```

CLEANED DATA OBJECT — 24 fields validated

Daily HFO consumption	**28.4 MT**
CII outlook	**Grade B**
EU ETS data status	**Mapped**
Compliance flags	**None**

Illustrative example from the product webpage

CHALLENGE VS. SOLUTION

Three friction points, three answers

CHALLENGE

Manual reporting errors

Typos and missing data in vessel emails create bad records and blind spots.

AI cross validation

CHALLENGE

Compliance headaches

FuelEU and EU ETS need a cleaner reporting trail than traditional workflows give.

Audit-ready evidence

CHALLENGE

Inconsistent formats

Every vessel reports differently, so fleet-wide analysis is slow and manual.

Multi-format standardisation

THE DATA ENGINE

Three layers behind every report

The AI doesn’t just read text; it understands the physical realities of maritime operations.

LAYER 01 · EXTRACTION

“Data Catcher” AI agent

Extracts voyage data from free-form crew emails and keeps the context around each value.

LAYER 02 · ML VALIDATION

Anomaly detection

Cross-checks reports against AIS, vessel history and expected ranges to flag suspicious entries.

LAYER 03 · GLOBAL MAPPING

Mapping to global standards

Normalises fields across mixed fleets so every vessel fits one reporting model.

THE PATH TO COMPLIANCE

One pipeline for every framework

2025

FuelEU Maritime

Automate GHG intensity calculations with validated consumption data.

- ✓ GHG intensity tracking
- ✓ Multi-fuel compliance

LIVE

EU ETS

Voyage-level CO_2 accounting with clean data lineage and less manual reconciliation.

- ✓ CO_2 allowance calculation
- ✓ Voyage-level granularity

ANNUAL

CII ratings

Track carbon intensity through the year and act early, not after the fact.

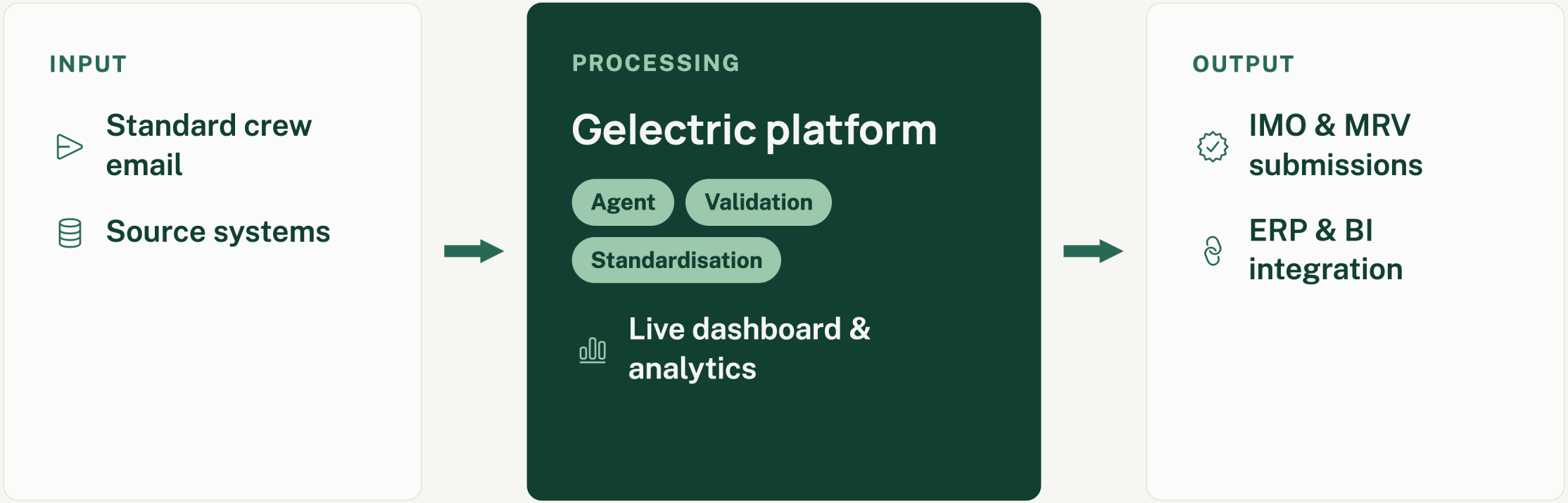
- ✓ Real-time rating forecasts
- ✓ Operational optimisation

GELECTRIC

INTEGRATION

A seamless operational flow

Integrated with your existing business systems from day one.



RESULTS

Global impact, proven results

Trusted by ship owners to manage environmental compliance and operational efficiency.

20+
Active vessels

15k+
Reports processed

0h
Install time

100%
Audit compliance

Figures as published on gelectric.io/noon-reports

GELECTRIC

GOOD PRACTICE

Six checks for a more useful report

01

Reporting period

Confirm the vessel, date and the period the figures cover.

02

Explicit units

Define units for every quantity and keep fuel types distinct.

03

Missing vs. zero

A blank field is not a zero. Flag gaps for follow-up.

04

Context checks

Compare figures with vessel history and operating conditions.

05

Crew remarks

Keep weather, waiting time and machinery notes with the figures.

06

Controlled fixes

Agree who reviews exceptions and how corrections are recorded.

GELECTRIC

What does your noon report look like today?

Bring a sample crew email and the frameworks you report against.

Request a tailored demo →

gelectric.io/noon-reports