

Every litre, every cargo, every carbon claim. Proved before it is paid.

Intelicap gives every fuel batch, every imported lot and every crude cargo a passport the whole chain can check. The feedstock behind a zero factor, the emissions behind a border declaration and a producer's methane intensity all travel with the goods and carry their own proof.

1 Jan 2027

EU importers of crude oil and gas must show that their producers measure and report methane to standards equivalent to the EU's

1 Feb 2027

CBAM certificates go on sale, covering the embedded emissions importers declare for 2026

1 Jan 2028

emissions trading reaches road and building fuels. A renewable litre without proved feedstock is priced as fossil

A carbon number is written by the party that wants it low

Four problems, one root cause. The party that pays for carbon relies on a figure supplied by the party that gains when it is low.

01

The fuel supplier carries the risk

From 1 January 2028 the zero factor on a renewable litre rests on a sustainability paper the fuel supplier is liable for and cannot check. A wrong paper makes the litre fossil.

02

Embedded emissions from abroad

A CBAM importer declares the emissions of steel or fertiliser made outside the EU. The figure comes from the producer and travels as a spreadsheet.

03

Methane lost at the first transfer

A producer's methane performance is certified once a year for the whole company. The cargo carries none of it, and the refiner reports on papers it cannot check.

04

Certificates that looked valid

Germany stopped new upstream emission reduction projects in 2024 after its environment agency classified 45 as suspicious. Each certificate had looked valid on its own.

One record for every carbon attribute

Intelicap gives each fuel batch, imported lot and crude cargo a passport. Feedstock, plant, producer, verifier, emission value and every handover are signed by the party that did it, and anchored so that anyone entitled can check it in seconds.

Signed at the source

The feedstock collector, the biofuel plant, the steel mill, the oil producer and the accredited verifier each sign what they did, in their own name, once.

Arithmetic over signed entries

A blend names its input lots. The renewable share of a batch, the embedded emissions of a shipment and the intensity of a blended cargo are arithmetic anyone can repeat.

Reported and paid on the record

Fuel suppliers, importers and refiners report what the passport shows. Settlement and any premium for lower intensity run through a licensed bank.

Why Intelicap can be the one everyone relies on.

Every party in the chain holds a position. A producer wants a low figure, a certifier is paid by the party it certifies, a trader holds the cargo and a supplier's sustainability file is its own defence. Intelicap holds no goods, no funds, no allowances and no position, and is paid a fixed fee. Verifiers and inspectors keep their role, and their signature is worth more because it travels.

Four problems, solved at the same point

The moment before money moves.

TODAY	WITH THE PASSPORT	WHO GAINS
Zero factor on paper	The fuel supplier claims the zero factor against signed feedstock entries, ready for emissions trading from 2028.	Fuel suppliers, tax and climate authorities
Embedded emissions in a spreadsheet	The producer's verified emission value is signed onto the lot and travels with it to the CBAM declaration.	CBAM importers, honest producers outside the EU
Methane report on trust	Certified intensity is signed onto the crude lot at loading and carried through every transfer and blend to the importer's report.	Refiners, low-intensity producers
Certificates without a trail	A second claim on the same unit, or a verifier outside its accreditation, shows up as a conflict before payment.	Buyers, verifiers, authorities

The record warns before the money moves

Carbon fraud lives in claims nobody can trace. A feedstock lot sold twice, output above what went in, a verifier signing outside its accreditation. On the passport, each one is an entry.

45

upstream emission reduction
projects classified as suspicious by
Germany's environment agency,
2024

Each certificate had looked valid on its own.

The pattern appears when every claim, every verifier and every unit sits in one record that nobody in the chain controls, and payment waits until it is clear.

Detect

A lot claimed twice,
output above signed
inputs, a missing handover
signature, a verifier
outside its accreditation

Anchor

The alert is an entry with
its time and source

Hold

Payment on the affected
batch or cargo pauses

Decide

The buyer, verifier or bank
with the mandate decides

Record

Released or refused, and
anchored

Intelicap raises the alert. The party with the mandate decides. [The money waits.](#)

The alert mechanism already runs in production in a Horizon Europe health programme. Commercial documents stay with their holders.

Every honest party wins

The passport strengthens the roles that already exist. Each party signs what it already knows and reads what it already needs.

FUEL SUPPLIERS

A zero factor you can defend

Every renewable litre traced to signed feedstock, with a receipt per customer and period.

CBAM IMPORTERS

A declaration with its evidence

The embedded emissions of every lot, signed by producer and verifier, ready for the annual declaration.

REFINERS AND IMPORTERS

A methane report you can stand behind

Intensity per cargo from signed entries, ready for the EU duties from 2027 and 2028.

PRODUCERS

A low figure that travels

Your verified emissions and certified methane intensity stay with every shipment, so a buyer can pay for what it can prove.

VERIFIERS AND INSPECTORS

A signature that travels

What you verify or measure is signed once in your name and read unaltered by every party downstream.

Banks and trade finance

Lend against carbon claims and cargoes you can read, with every receipt, declaration and attestation in one place.

Built on infrastructure already carrying regulated load

In production

Reltime's governed, proprietary blockchain, running since November 2021. Named, accountable validators, two-second blocks, final when written.

European defence

NEWSROOM, a European Defence Fund programme alongside Thales, Airbus Defence and Space, Indra and Leonardo.

Health research

COMFORTage under Horizon Europe, 13 pilots in eight member states, where the alert mechanism runs.

Regulated finance

AXY Markets, fractional real-asset interests for verified investors.

Settlement layer built. Intelicap Passport specified, with the energy and carbon configuration in development.

THE FIRST STEP

One real flow, made provable.

1. One fuel supplier's renewable batches, one CBAM importer's shipments, or one crude cargo from a low-intensity producer to a reporting refiner.
2. Your systems and documents stay where they are. The passport reads and anchors.
3. A shadow run on a quarter of real data ahead of 1 January 2028.
4. Measured in time to evidence, and in what a defensible zero factor or certified low intensity is worth.

CHIEF EXECUTIVE OFFICER

Christian Sjöö Bakke

christian@intelicap.ai · +46 76 100 02 00

HEAD OF BUSINESS DEVELOPMENT

Pelle Wedenmark

pelle@intelicap.ai · +46 70 533 44 56

www.intelicap.ai

Sources. Regulation (EU) 2024/1787 on methane emissions in the energy sector. Regulation (EU) 2023/956 as amended by Regulation (EU) 2025/2083. Directive 2003/87/EC as amended by Directive (EU) 2023/959, Chapter IVa, start moved to 1 January 2028 in March 2026. German Environment Agency findings reported to the Bundestag, 20 November 2024. NEWSROOM grant agreement 101121403, COMFORTage grant agreement 101137301.