



LumeTrax
Brochure

FINANCIAL-GRADE ENERGY OPERATING PLATFORM

From plant control to financial performance.

One platform for utility-scale and hybrid renewable assets. SCADA, maintenance workflow, performance analytics, and hybrid EMS — connected by one tenant hierarchy and one set of finance-grade definitions.

VENDOR-AGNOSTIC

Every major OEM ecosystem. Protocol-first integration.

FINANCIAL-GRADE

Square-classified outputs. Lender-grade evidence.

INDEPENDENT

No O&M allegiance. No EPC stake. No IPP customer conflict.

lumetrax.com · info@lumetrax.com · Built for IPPs, developers, asset owners, lenders, and the third-party O&M and IE teams who work alongside them.

THE OPERATIONAL REALITY

Multi-OEM portfolios run on multi-OEM portals.

Four inverter brands means four logins, four alarm philosophies, four historians, four reporting templates. The operator stitches the picture together by hand. The asset owner sees a different version. The lender sees a third.

Hybrid plants compound the problem. PV + BESS + DG sites burn more diesel than they need to, and the explanation lives three OEM portals deep, in screens nobody has authority across. When the lender asks the question that matters — *is this DSCR sustainable?* — the answer takes three weeks and four spreadsheets.

What standard SCADA gives you. What it doesn't.

Standard SCADA / OEM portal	What it doesn't give you
What's happening now	What's happening over time, against the contract you signed
Today's kWh delivered	Energy delivered against PPA · contracted-vs-actual deviation
Today's availability %	Availability decomposed by attribution category · recoverable vs permanent
Today's alarms	Alarm-to-ticket workflow · SLA tracking · OEM warranty evidence packs
One vendor's plants	Every plant under one tenant · same definitions · cross-site benchmarking
A dashboard	A defensible answer when the lender, the IE, or the insurer asks

THE PLATFORM

One operating layer. Five modules. Same plant.

Activate what you need today. Add the rest when the asset, the contract, or the lender asks for it. Same login, same tenant hierarchy, same data model — Client Organization → Portfolio → Plant → Subsystem → Asset → Tag.

LumeTrax Core	Industrial SCADA & plant control — real-time monitoring, supervisory control, alarms, multi-OEM integ
LumeTrax Asset Manager	Power-plant-native O&M workflow — alarms become tickets, tickets become resolved work. SLA-track
LumeTrax Vision	Performance analytics — Performance Ratio, availability, loss attribution, fault detection, soiling, foreca
LumeTrax Optimizer	Hybrid EMS for PV + BESS + DG — coordinated dispatch, DG runtime minimisation, battery-life-aware
LumeTrax Audit & Assurance	Independent technical reviews — pre-COD readiness, post-COD verification, OEM claim review, lende

Mission-critical control stays inside the deterministic SCADA boundary — supervisory commands, interlocks, safety-critical sequencing. Analytics, workflow, optimization, and assurance run above. The boundary is architectural, not promised.

THE FINANCIAL-GRADE LAYER

Most platforms answer *what*. LumeTrax answers *is this bankable?*

Lender-grade evidence isn't generated on demand. It accumulates. Time-stamped plant data, classified events, documented assumptions, exportable evidence packs that owners, operators, and lenders read against the same source. We call this the **LumeTrax Ledger**.

Standard SCADA / monitoring	LumeTrax Ledger
kWh delivered	Energy delivered against PPA · contracted-vs-actual deviation
Availability %	Availability decomposed by attribution category — PPA / OEM warranty / O&M / weather
Performance Ratio	PR vs weather-normalized expected · DSCR-relevant operating metrics · degradation
Outage hours	Recoverable vs permanent loss · evidence pack per claim window

Source classification on every figure

Every operating claim in a LumeTrax Ledger output carries one of four source classes — **MEASURED** (direct historian record), **CALCULATED** (derived via documented methodology), **ASSUMED** (named, sourced, bounded), **JUDGED** (reviewer interpretation, signed). Disagreements between counterparties typically resolve at the assumption-or-judgement layer, where they belong.

Audit & Assurance reports never blend the classes. The output is reviewable, defensible, and citable in lender, investor, insurer, or contract-counterparty proceedings.

INDEPENDENCE BY STRUCTURE

Aligned to the asset, not to a vendor or counterparty stack.

The renewable-energy industry has plenty of platform offerings owned by parties whose other businesses overlap with their customers' interests. Each of those situations works for the offering's owner — and creates a structural risk for the customer who shares operating data into it. LumeTrax is built differently.

Three pillars

1. Neutral by business model

LumeTrax is a platform-only company. It does not develop assets, build assets, finance assets, or operate them as a counterparty. Customer operating data underwrites the customer's decisions — not someone else's bid for their next project.

2. Open by architecture

Customer data belongs to the customer. Tenant data is segregated by architecture. No cross-tenant benchmarking without consent. No commercial use of customer data outside contracted scope.

3. Financial-grade by methodology

Every operating claim is traceable to time-stamped plant data, classified events, documented assumptions, and exportable evidence packs. Methodology is documented, version-controlled, and consistent period-over-period.

Data neutrality — published policy, contractual commitment

The seven commitments below appear on the public site AND verbatim in the customer DPA / MSA. They are not aspirational; they are how LumeTrax operates.

- 1 Customer data belongs to the customer.
- 2 Tenant data is segregated by architecture.
- 3 LumeTrax does not share plant-level data with OEMs, EPCs, O&M; contractors, lenders, or affiliates unless explicitly authorised by the customer in writing.
- 4 Cross-portfolio benchmarking is opt-in and anonymised.
- 5 Commercial teams do not access customer operating data except for contracted support, audit, or advisory scope.
- 6 LumeTrax does not resell or license customer operating data to any third party.
- 7 Where LumeTrax software is installed, Audit & Assurance reports distinguish measured data, calculated outputs, assumptions, and reviewer judgment.

WHO LUMETRAX IS FOR

Built for whoever has to live with the answer.

A renewable asset accumulates stakeholders the moment it's financed. The operator runs it. The owner reports on it. The lender funds it. The insurer covers it. The contracted O&M; team maintains it. The independent engineer reviews it. LumeTrax is built so the same plant truth reaches all of them, in real time.

Segment	What LumeTrax delivers
IPPs · developers · large C&I asset owners	Onenant for the whole portfolio · multi-OEM consolidation · DSCR-relevant operating evidence
Lenders · insurers · investors	Audit-ready evidence packs · weather-normalized performance against PPA · classified downtime
EPCs · third-party O&M contractors	Workflow-driven alarm response · SLA tracking · contractor-scoped access without seeing other
Plant operators	Real-time supervisory control · engineering-grade alarm philosophy · historian sized for analyti
Hybrid plant operators (PV + BESS + DG)	Coordinated dispatch · DG runtime minimisation · battery-life-aware cycling · revenue stacking

Live deployment

LumeTrax is running on a 14 MWp PV project in the petroleum sector, commissioned 2023. The deployment uses Core, Asset Manager, Vision, and Audit & Assurance. Customer name held confidential at customer's preference; deployment context, architecture, and methodology described in the Reference Project page on lumetrax.com.

COMMERCIAL

Built for serious assets. Priced for them.

Indicative starting points for every module and every bundle. Audit & Assurance engagements priced per site. Enterprise tiers on quotation. LumeTrax is sized to the asset — not to a tier table.

Module / bundle	Indicative starting point
Core (software subscription)	from \$2,500 / mo + edge-hardware capex sized in questionnaire
Asset Manager	from \$650 / mo (single-plant) · \$1,750 / mo for 5-plant portfolio
Vision	from \$900 / mo (single-plant) · \$2,400 / mo for portfolio
Optimizer (premium)	from \$2,000 / mo (single hybrid plant) · \$4,800 / mo for portfolio
Control Suite (Core + Asset Manager)	from \$2,950 / mo + edge-hardware capex
Performance Suite (Core + AM + Vision)	from \$6,900 / mo + edge-hardware capex
Hybrid Suite (Core + AM + Vision + Optimizer)	from \$11,500 / mo + edge-hardware capex
Audit & Assurance — Site Review	from \$7,500 / site
Audit & Assurance — Bankability Review	from \$18,000 / site
Enterprise Portfolio · custom integrations · on-prem / air-gapped	

Indicative starting points only. Final pricing depends on plant architecture, integration scope, deployment model, support level, and portfolio size. Core software subscription is separated from edge-hardware capex by design — hardware is industrial control equipment, sized in the Core questionnaire. Bundle pricing reflects 15–20% discount versus equivalent module-by-module. Multi-year commitments and additional plants under same tenant qualify for further reduction.

No free tier, no free trial. Evaluation runs through a 30-minute scoping call against your portfolio. See lumetrax.com/pricing for full detail.

HOW TO ENGAGE

30 minutes. No deck. We screen-share LumeTrax against your portfolio.

Demo and quotation requests run through the form on lumetrax.com/demo. Pre-fills routing for Engineering questions, Audit & Assurance reviews, and Pricing quotations based on the page you arrive from. Responses within 1 business day; scoping call within 3-5; demo scheduled promptly.

What you need	Best path
Demo request	lumetrax.com/demo (form)
Quotation	lumetrax.com/demo?type=quotation
Audit & Assurance review	lumetrax.com/demo?type=review
Engineering / SCADA architecture deep-dive	info@lumetrax.com (subject: Engineering question)
Architecture deep-dive (platform / data model)	info@lumetrax.com (subject: Architecture question)
Integration / protocol question	info@lumetrax.com (subject: Integration question)
Security disclosure / vulnerability report	security@lumetrax.com
Privacy / data inquiries	info@lumetrax.com (subject: Privacy question)
Partnership / integration alliance	info@lumetrax.com (subject: Partnership)
Press / media	info@lumetrax.com (subject: Press)
Anything else	info@lumetrax.com or lumetrax.com/contact

Want to go deeper before the demo?

- **Architecture Brief** — full technical architecture for architects, engineers, and lender's IE teams. Available on lumetrax.com/resources.
- **Customer Security Pack** — procurement-grade documentation including pre-completed CAIQ + SIG. Available on request.
- **Vision Quarterly Performance Report (sample)** — see what lender-grade reporting looks like, end-to-end. Available on lumetrax.com/resources.
- **Audit & Assurance Bankability Review (sample)** — see what an independent technical review delivers. Available on lumetrax.com/resources.

End of brochure.

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