

EnergyNet: The TCP/IP of Electricity

EnergyNet is open-source · NetEdison™ is the trademark · First-mover brand licensor

\$2.81T

Trillion — Global Electricity
Retail Market

\$470B

Billion/yr — Global Grid
Investment

30+

Priority Licensing
Markets Identified

\$207M

Million — Projected
Year 7 Revenue

EARLY WIN — INDIA LICENSEE CANDIDATE

NetEdison IP Holdings is in active licensing discussions with Guneet Banga and Parinama — established infrastructure investors targeting housing societies, SEZ and GIFT City demonstrators.

EARLY WIN — FREEDOM CABLE CLEARANCE — OREGON

Oregon HB 2065/2066 (2025): inter-building Freedom Cable connections are legal today — no §218 equivalent. NetEdison's first confirmed US demonstrator market.

The Opportunity

Just as TCP/IP transformed telecommunications from a monopoly into a global open network, EnergyNet — an open standard — applies the same architecture to electricity: every building a node, every Energy Router a gateway, every kilowatt-hour a routable packet.

NetEdison IP Holdings GmbH is the first-mover commercializer of the EnergyNet open standard — developed by Jonas Birgersson (architect of Sweden's fiber broadband build-out) and the EnergyNet Task Force, Lund, Sweden. The company holds the registered NetEdison™ trademark, netedison.com and netedison.ai, and a global brand-licensing infrastructure spanning 30+ priority markets.

What Is Licensed

EnergyNet is open source — freely implementable by anyone, like TCP/IP. NetEdison™ is the trademark. EnergyNet, EP, and EROS carry no trademark; NetEdison licenses exclusively per country the right to operate under the NetEdison™ brand, issue NetEdison-certified products, and run the national expert program. One licensee per country per domain. The Wi-Fi Alliance model, applied to energy routing.

Swiss IP Box Advantage

- 8.5–12% effective tax rate on qualifying IP licensing income
- 90% reduction of the qualifying IP tax base
- Access to 100+ Swiss double-tax treaties
- EU royalty withholding: 0% · US: 0–5%

Regulatory Catalyst — 2026

Oregon is already open (HB 2065/2066, 2025): inter-building Freedom Cable connections are legal today — NetEdison's first US demonstrator market. California is next: the November 2026 gubernatorial election is a direct trigger to repeal Public Utilities Code §218 ('Over the Fence' rule) — the legacy blocking inter-building connections. A §218 repeal cascades to federal and international markets as proof the path is clear.

First-Mover Advantages

- Registered trademark NetEdison™ — domains netedison.com / netedison.ai
- Peer-reviewed technical paper: EnergyNet: A Proposed Architecture for a Global Energy Routing System (Jonas Birgersson et al., arxiv.org/pdf/2509.08152)
- Operational proof of concept since 2016 — 2001 Union Street, Cow Hollow, San Francisco: live Stem BESS, Shark submeters, rooftop solar — six of eight Energy Router functions demonstrated without the DC backplane or Freedom Cable
- Global registry of interested operators at netedison.com/registry

The Four Licensing Domains

- 01 — ESP Rights: Operate NetEdison {Country} branded electric service providers. Exclusive national brand license.
- 02 — Manufacturing: Manufacture NetEdison-certified Energy Routers under the open Energy Protocol.
- 03 — Expert Cadre: Establish national NetEdison Certified Energy Expert (NCEE) program.
- 04 — Brand & Platform: Use NetEdison™ brand across EnergyNet-enabled apps, platforms, and advisory services.

Why Now

- Distributed solar and BESS have reached grid parity in 40+ markets — the physical nodes of the EnergyNet exist; only the routing protocol and brand infrastructure are missing
- Grid investment has surpassed \$470B/year globally, yet centralized grids cannot manage two-way distributed energy flows — creating structural demand for the EnergyNet routing layer
- The open-standard model is proven: TCP/IP, Wi-Fi, and GSM all generated larger ecosystems — and more enduring commercial value — than their proprietary competitors
- NetEdison is registering licensee interest now, ahead of the California §218 repeal and the global policy window it opens

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Electric Service
Provider Rights

002

Energy Router
Manufacturing

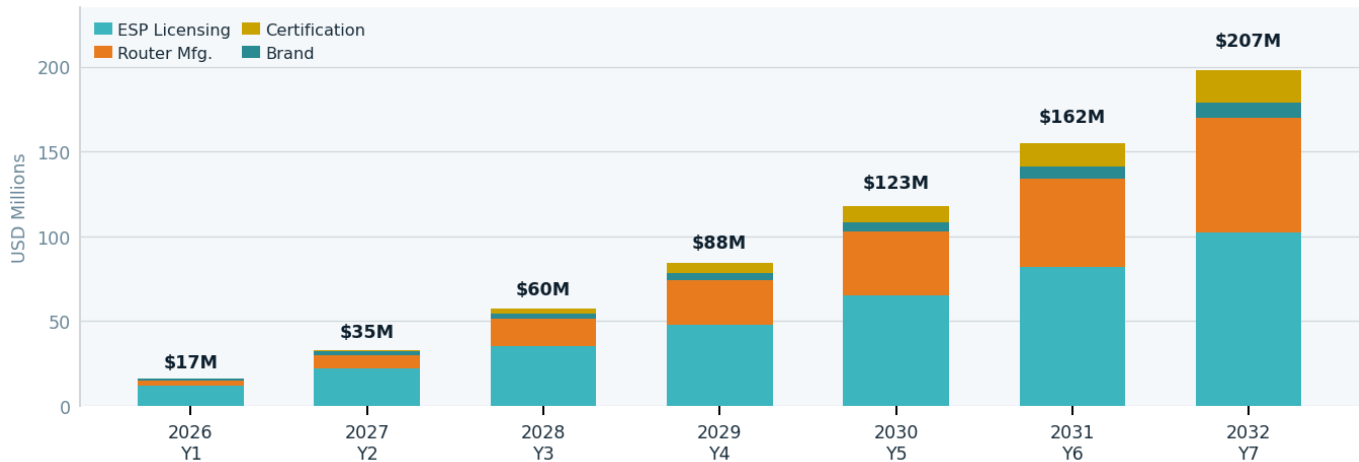
003

Certified Expert
Cadre

004

Brand & Platform
Licensing

Revenue Projections — Base Case



Stream	Y1 '26	Y2 '27	Y3 '28	Y4 '29	Y5 '30	Y6 '31	Y7 '32
ESP Licensing	\$12M	\$22M	\$35M	\$48M	\$65M	\$82M	\$102M
Router Manufacturing	\$3M	\$8M	\$16M	\$26M	\$38M	\$52M	\$68M
Certification	\$1M	\$3M	\$6M	\$10M	\$15M	\$21M	\$28M
Brand Licensing	\$1M	\$2M	\$3M	\$4M	\$5M	\$7M	\$9M
TOTAL	\$17M	\$35M	\$60M	\$88M	\$123M	\$162M	\$207M

Base case: 5 Tier-1 licenses Year 1 20 countries Year 3 30+ countries Year 5. Conservative case = 60% · High case = 175%.

Proof of Concept

2001 Union Street, Cow Hollow, SF
Fully operational AC Hub since 2016 — six of eight Energy Router functions demonstrated, no DC backplane or Freedom Cable required:

System build chronology:

- 2015 — Stem BESS: demand charge reduction & live AI dispatch
- 2016 — Shark 200: whole-building power monitoring & logging
- 2016 — Digi submeters: per-tenant interval data & billing
- May 2019 — Rooftop solar via SDG&E Build Your Own program

Six of eight Energy Router functions demonstrated:

- Energy storage dispatch & demand management
- Whole-building & per-tenant sub-metering (ELAN layer)
- Renewable generation offset & load monitoring

Lane Sharman created the AC Hub — establishing the ELAN layer, EnergyNet's foundational building-scale component.

netedison.com/casestudies/2001-union-street/

Competitive Position

EnergyNet is open source — anyone can build a router. But no competing brand licensor for distributed electricity routing exists. All current approaches are structurally constrained:

vs. Proprietary DER vendors:

- Stem — closed platform; hardware lock-in; no open protocol
- Sunrun — residential only; utility-dependent; no routing layer
- Tesla Energy — vertical hardware play; closed ecosystem

vs. Virtual Power Plant operators:

- AutoGrid — software aggregation; utility-contracted; no brand moat
- Voltus — demand response only; no protocol or licensing structure

vs. Utilities:

- Regulated returns cap IP leverage; incumbents resist open-standard disruption

Open protocols dominate. Wi-Fi Alliance and 3GPP prove brand frameworks capture enormous value even when the standard is free. NetEdison™ is that brand framework for energy routing.

Key moat: first-mover brand registration. One licensee per country per domain — permanently.

Contact

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Petition — Repeal PUC §218:
netedison.com/petition/

Operator Registry:
netedison.com/registry/

India EnergyNet Market Study:
netedison.com/india/