

GRIDAUTH[®] by OmniTrust

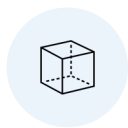
Grid & Utility Identity & Trust

Purpose-built
support for
FAN and AMI 2.0



Take control of device identity. Secure trust across your connected grid.

GridAuth helps energy utilities take control of device identity and trust across connected infrastructure, while enabling manufacturers to securely provision trusted devices. As utilities deploy smart meters and field equipment from multiple suppliers, they need consistent visibility, greater independence and long-term control over operational trust. GridAuth simplifies device identity workflows, certificate provisioning and issuance tracking, backed by OmniTrust operational PKI. From manufacturing identity to utility-controlled trust, GridAuth provides a foundation for connected grid security. **From product to trusted device:**



1. DEFINE

Create trusted product models and establish device identity requirements



2. PROVISION

Identify physical devices and securely submit certificate requests



3. TRUST

Issue standards-based identities backed by trusted PKI infrastructure



4. TRACK

Track device identities, certificates and complete issuance history



5. SCALE

Extend provisioning from testing to automated, API-driven operations

GridAuth Device Trust Manager

A device-centric view of identity and trust across the grid

- Device Identities
- Certificate Provisioning
- Device Inventory
- Credential History
- Trust Visibility

The screenshot displays the GridAuth Device Trust Manager interface. On the left is a sidebar with navigation options: Devices, Device Models, Certificates, Provisioning, Organizations, Trust Policies, API Integrations, Audit Log, Users, and Settings. The main area is titled 'Devices' and contains a table of device information. The table has columns for Device, Type, Model, Serial Number, Status, Credentials, and Last Updated. Several devices are listed, including AMI Meters, Routers, Gateways, Field Devices, and Collectors, with their respective statuses (Operational, Renewal Due, Attention). On the right side of the interface, there is a detailed view for a specific device, 'AMI Meter 3000B', showing its credentials and a 'Device Credentials' section with a list of certificates and their expiration dates.

DEVICE	TYPE	MODEL	SERIAL NUMBER	STATUS	CREDENTIALS	LAST UPDATED
☒ AMI Meter 3000B OTM3000B	Smart Meter	3000B	DEADBEEF007	Operational	3	May 16, 2025 10:32 AM
☐ Grid Router 2000 GTR2000	Router	2000	ABC123450001	Operational	2	May 15, 2025 3:45 PM
☐ Edge Gateway 1000 OTG1000	Gateway	1000	9876543210AB	Renewal Due	2	May 14, 2025 1:22 PM
☐ Field Device 500 OTF500	Field Device	500	112233445566	Operational	2	May 10, 2025 8:17 AM
☐ AMI Meter 2000 OTM2000	Smart Meter	2000	998877665544	Attention	3	May 8, 2025 11:03 AM
☐ Collector 800 OTC800	Collector	800	556677889900	Operational	2	May 6, 2025 4:28 PM



KNOW YOUR DEVICES

Connect physical devices to trusted identities and credentials



SIMPLIFY PROVISIONING

Streamline certificate issuance across device workflows



MAINTAIN TRUST

Improve visibility into device identities and trust history



BUILT FOR THE GRID

Support connected fleets across utilities and manufacturers..

Device identity, translated into utility control – GridAuth connects physical devices, trusted identities and certificate workflows, while OmniTrust provides the operational PKI infrastructure underneath.



FOR DEVICE MANUFACTURERS

Provision trusted devices at scale.

Define Product Identities

Associate hardware models with device identity and certificate requirements.

Accelerate Development & Testing

Obtain trusted credentials through simplified provisioning workflows.

Provision Individual Devices

Bind device identities to serial numbers and certificate requests.

Maintain Traceability

Track device identities, certificate issuance and history.

Automate Production

Integrate repeatable identity provisioning into manufacturing workflows.



FOR ENERGY UTILITIES

Control the trust behind your grid.

Reduce Vendor Dependence

Build toward trusted device operations across multiple equipment suppliers.

Control Operational Trust

Define utility trust requirements and enable a path to utility-owned credentials.

Know Your Connected Devices

Connect physical assets with device identities and certificate records.

Support Long-Lived Infrastructure

Plan for evolving trust needs across devices deployed for decades.

Prepare for Post-Quantum Cryptography

Build toward crypto agility and future PQC transitions.



AMI SMART METERS



FIELD DEVICES



ROUTERS & CONTROLLERS



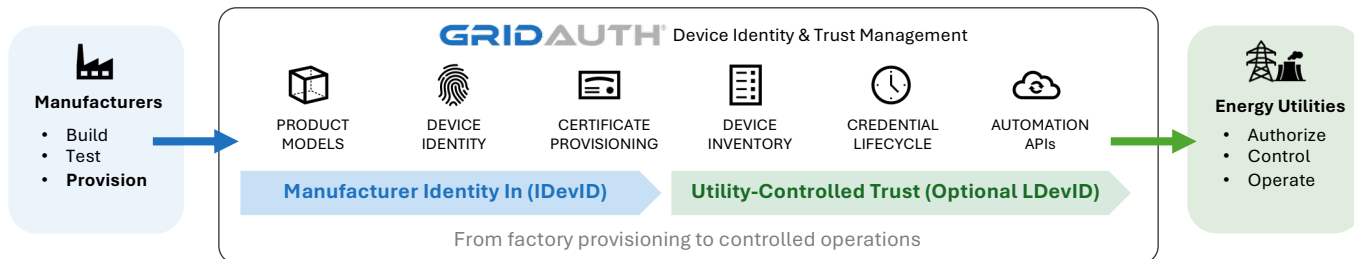
GATEWAYS



GRID EDGE DEVICES



UTILITY SYSTEMS



OmniTrust Operational Trust Infrastructure



TRUST AUTHORITY



ISSUANCE



VALIDATION



REVOCATION



CA HIERARCHIES



KEY MGMT



HSM INTEGRATION

OmniTrust PKI Standards & APIs - | EST | ACME | SCEP | CMP | REST | gRPC

Built for today, ready for what's next:

AMI & SMART METERING

Trusted identities for smart meters and connected AMI infrastructure

MULTI-VENDOR UTILITIES

A path to consistent device trust across multiple equipment suppliers.

UTILITY-CONTROLLED TRUST

Establish a path to utility-controlled identities and trust domains.

LONG-LIVED GRID ASSETS

Support evolving certificate and cryptographic needs over decades.



Wi-SUN

Purpose-built support for Wi-SUN FAN and AMI 2.0.

GRIDAUTH

Your grid. Your devices. Your trust.

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GridAuth.com