**TITANIUM FMI™**
Flexibility Market Interaction

The Energy Software Group

# Turn Flexible Assets Into Market Value

**Flexibility is becoming essential to balancing a grid increasingly powered by renewable energy.**

For suppliers and aggregators, it creates an opportunity to unlock new revenue, deliver greater value to customers, and support the transition to Clean Power 2030 and Net Zero.



## The Journey from Asset to Value

1. **Flexible Assets** Flexible assets provide the foundation for participation.
2. **Customer Participation** Customers agree to participate and share flexibility.
3. **Registration** Assets are registered and prepared for market participation.
4. **Aggregation** Assets are aggregated into portfolios capable of participating in energy markets.
5. **Flexibility Markets** Aggregated assets participate in flexibility markets.
6. **Value Delivered** Creating value for businesses, customers, and the energy system.

## Flexible Capacity Creates Value

The organisations that can bring flexible capacity to market efficiently will be best placed to unlock new revenue, deliver customer value, and support Clean Power 2030 and Net Zero.

Whether that capacity comes from a handful of large assets, thousands of smaller assets, or a combination of both, success depends on being able to register, aggregate, and manage it efficiently.

**Large Assets**
eg. larger scale I&C batteries or equipment

**Small Assets**
eg. EVs, home batteries, smart devices

**Mixed Assets**
eg. combination of large and small assets

**Flexible Capacity**

**Different Asset Portfolios. Same Market Opportunity.**

# The Challenge Isn't Starting. It's Scaling.

Registering assets is slow. Data sits across multiple systems. Operational effort grows as portfolios expand. Without scale, flexibility remains a pilot. With scale, it becomes a revenue-generating capability.



## Asset Registration & Market Interaction

Registration, Data Flows,
Validation, Agent Appointments





## Market Participation

Flexibility Markets, Trading, Grid Services

## Common Barriers

- Manual Onboarding & Processes
- Fragmented Systems & Data
- Asset Registration at Scale
- Scaling Increases Operational Effort
- Delayed Market Participation & Value

## Automated Asset Registration at Scale

Titanium FMI automates asset registration and aggregation at scale, while streamlining the market interaction processes required for flexibility participation. Bring assets to market faster, reduce operational complexity, and unlock value sooner.



**Go From Pilots to Value at Scale**

Automate asset registration and aggregation to scale portfolios and unlock market value.



**Support AMVLP, VLP & VTP Roles**

Enable participation across key flexibility market roles with streamlined processes and integration.



**Deliver Flexibility for Your Customers**

Launch new services that give customers greater control, rewards, and energy value.



**Power the Drive to Clean Power 2030 and Net Zero**

Enable flexible energy use, supporting a smarter, lower-carbon grid at scale.

## Ready to Scale Flexibility?

Find out how Titanium FMI can help you bring assets to market faster and unlock value at scale.

**esgglobal.com/demo**