



Ecovision Asset Management



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Ecovision Asset Management have extensive experience in the construction and management of rooftop Solar PV across multiple projects. We have consulted on a number of successful ventures, including the origination and sale of thousands of assets through to assisting with the sale and purchase of asset portfolios for clients.

In addition to assets under management, we have installations exclusively licensed to our monitoring software 'EAMS'.

Our Values

The Ecovision name is a Statement of our Vision for an Ecologically Better Future.

“ We current manage 38MW, last year the generation associated with this capacity meant a saving of more than 168,000 tons of CO₂ being released into the Earth's atmosphere, having a positive impact on our climate. We count Aviva, Lightsource BP and The Foresight Group amongst our valued clients. ”

Simon Godfrey, Managing Director

We pride ourselves on offering the best service using our expertise to maximise yield from Solar PV Installations, making them cost effective and maximising return on investment.

Safeguarding Investment using our proven systems

Innovation for a Sustainable Future

Environment and Economy

Therefore reducing the pressure on fossil fuels and carbon emissions from UK households.



Accreditations & Clients





Our Services

Ecovision Asset Management understands that businesses have different requirements, this is why we don't offer a one size fits all solution. Services can be tailored as required.

Our solutions are independent and provide services that integrate with your business at any level, these include:

Operations and Maintenance

Solar Maintenance inc Nationwide Engineer support

Comprehensive technical and operations Services

Legal & Administrative Services

Performance Monitoring

Asset Management

Consultancy



“One third of our managed assets are within the Registered Social Landlord sector so we are aware of the specific requirements relating to these asset types.”



Solar Maintenance & Engineer support

We provide Nationwide engineer support, all engineers are employed directly to ensure service standards, are fully qualified and have extensive Solar PV experience. Our teams carry the necessary materials to fix most faults on first visit, minimising downtime, maximising generation and income.

We have strong relationships with major equipment manufacturers and will complete all equipment warranty replacements on your behalf.

Ecovision Asset Management offer a variety of maintenance programmes, choice is driven by our clients requirements and investment strategies. Our condition based, responsive and preventative maintenance programmes are designed to protect your investment and resolve problems before you lose revenue or incur replacement costs when warranties expire.

- Fault monitoring daily or every 30 minutes - when failures are identified they are flagged on our system and reacted to within agreed SLA response times
- Condition based maintenance – we will monitor performance, if there is a reduction compared to other systems near-by we will investigate and rectify the issue
- Preventative maintenance – we will undertake preventative maintenance to an agreed schedule, designed to optimise portfolio performance

In addition we are equipped to support other works associated with solar PV installations, these include:

- System removal and reinstallation for roofing works
- Coordination of insurance claims related to the PV installation
- Humane pest prevention
- Warehousing, stock management and procurement

Customer Services

Our dedicated Solar PV Operations Centre currently supports the management of 12,000 rooftop installations across the UK with an installed capacity of over 38MWp. Whether it's a tenant calling to report a fault or a customer in need of advice on their contract, the Ecovision Operations and Maintenance customer service team can help:

- Handling all contact from homeowners, tenants, landlords and third parties
- Management of all service and maintenance visits together with all supporting documentation
- Technical advice
- Telephone based fault diagnostics
- Component warranty management

Legal & Administrative Services

Our experience in asset construction also extends to Legal services and administration, providing support and advice, on tasks related to company operation.

These include, but are not limited to;

- Legal compliance review of existing leases
- Counterparty administrative support during sale and purchase of properties where Solar PV is installed
- Processing deed of variations on existing leases
- Assisting with right to buy applications
- Acting as a point of contact during property exchange
- General advice and support on lease and PPA contracts

Asset Management Services

Our Finance Team has extensive experience in the funding, construction, management, sale, purchase and operation of Solar PV Asset Portfolios. Core areas are management information, book keeping, company secretarial, oversight and reporting.

Ecovision Asset Management provide comprehensive services which include, but are not limited to;

- Site by site reporting and reconciliation of production against provided or agreed budget yields
- Revenue stream management, including PPA,s, Gifted Payments, FIT Income, Export Income
- KPI's including; system availability rate, accrued and realised cash position against budget(s), cash received against cash accrued by FIT licensee, days to receive cash following submissions by licensee, sites on hold by licensee

- Transactional Processing
- Debt Collection
- Cash Management
- VAT Returns
- Balance Sheet Reconciliations
- Company secretarial, including, Filing of Annual Confirmation Statements, Maintenance of Statutory Books, Changes in Directors and Company Secretaries, Records of Shareholdings, board Meeting Management
- Regulatory Compliance, including, Policies and Procedures, Audit Facilitation and management

These services can be tailored to suit your requirements

Ecovision Asset Management System (EAMS)

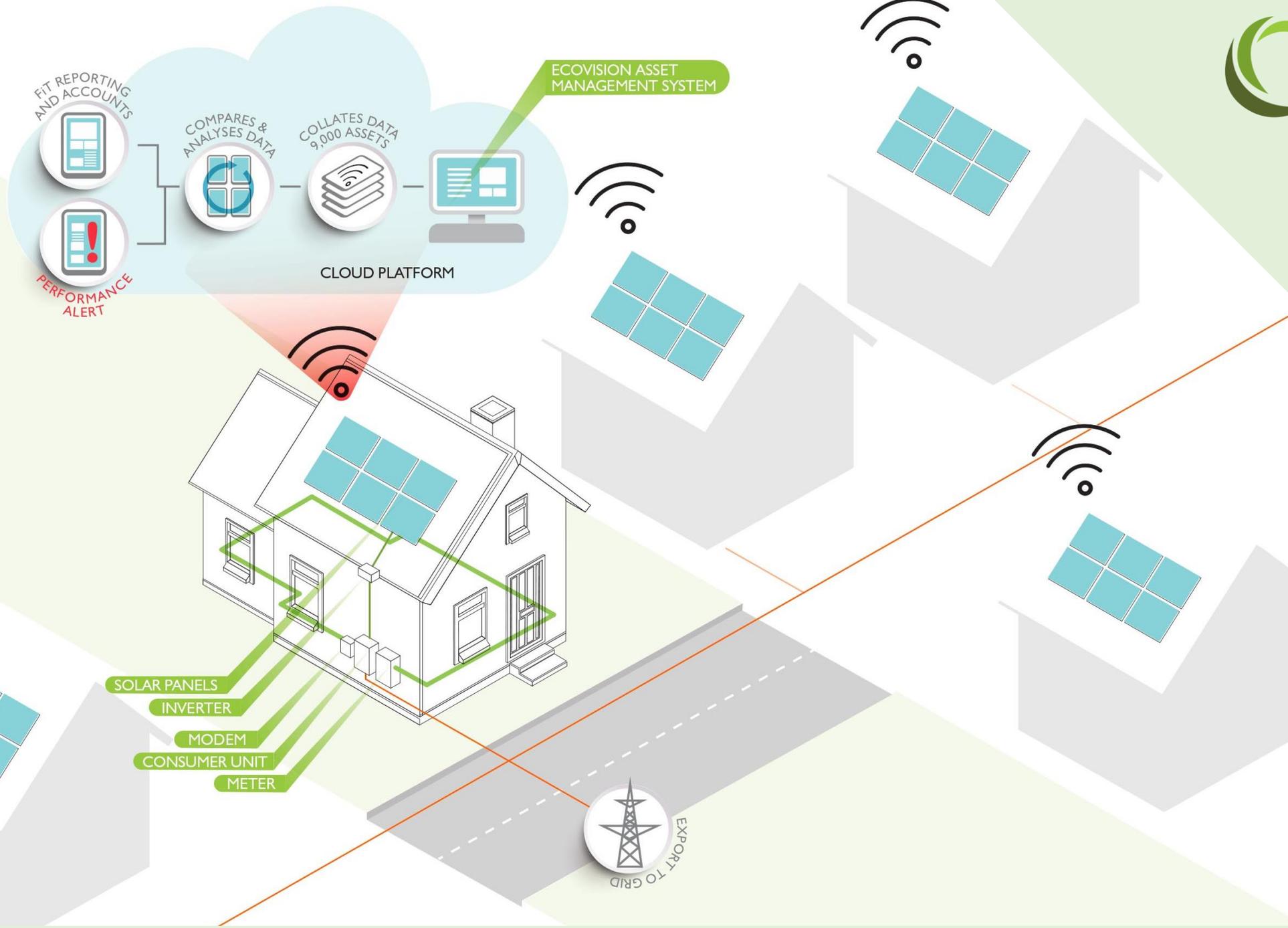
Performance Monitoring

Available as a stand alone license or as part of our Operations and Maintenance service package. Our unique cloud-based platform, Ecovision Asset Management System (EAMS) continuously monitors your PV assets, providing key management data for your portfolio. We can monitor sites every 30 minutes and raise alarms for generation, communication and underperformance faults. Site underperformance is identified by a peer to peer fault trigger, specific site irradiation data and on a client by client basis against preferred benchmarking datasets, usually PVGIS or SAP

The proven functionality of EAMS is that your assets will be compared to all assets under our management, they will benefit from our newly developed irradiation monitoring and provide a full document and data repository for each site.

Notable EAMS functionality includes:

- Full meter reading service, from daily reads to half-hourly data capture and associated analytics
- Quarterly meter submissions to your FIT provider
- Fault alarms with intelligent queue ordering and rapid response fault diagnosis
- Unique performance monitoring functionality, full details in the following slides
- Complete workflow management and reporting from technical alarms to legal queries
- All generation, fault, submission and associated site documentation securely backed up



Irradiation Performance Monitoring

We have been working with a leading data science consultancy whose products and support are used by the National grid. The objective to integrate observed irradiation data into our monitoring platform.

Domestic rooftop and C&I sites rarely have pyranometers installed. As such it is difficult to know what sites in any given location should have produced daily with any degree of accuracy.

Many portfolios are managed against Industry datasets based on long term average irradiation. This approach makes it impossible to manage O&M against accurate irradiation for performance guarantees. Or if adjustment factors are applied for month or quarter end reporting any underperforming issues will be in the past meaning the generation and associated revenue in the period are lost.

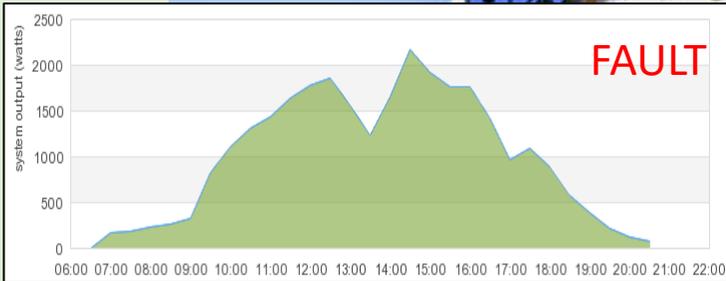
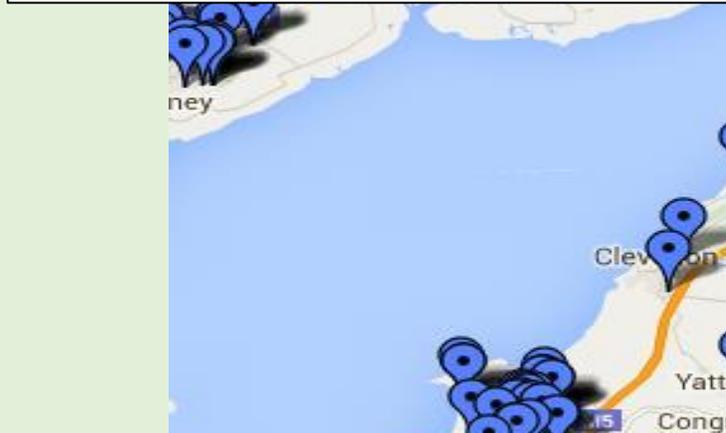
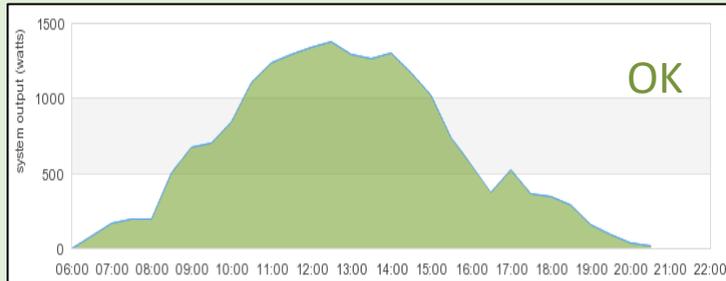
Approach

- Site historic generation, availability and irradiation data creates a site specific digital twin that reflects installed components, capacity, orientation, pitch etc Also serves to check the accuracy of asset registers
- Measured irradiation from official world meteorological sites is integrated into our platform and translated by the digital twin for each site providing accurate daily generation numbers that reference actual irradiation
- As this is calculated daily as a minimum (can be up to half hourly depending on system size and preference) specific underperformance alerts are triggered, reasons identified meaning generation and associated revenues can be maximised quicker and not lost

Output

- Using complex algorithms expected site generation is split into statistically probable categories including P50, P90 and a blended model that draws data from sites in close proximity if there is insufficient site specific data for the model to work
- 12 month site specific rolling forecast based on updated long term average information from measured irradiation and site performance

Peer Review Methodology



Objective: To optimise generation and revenue by identifying component failures

Method:

- 1) Daily generation meter reading taken for the 'test' site
- 2) Daily generation reading taken for all other sites in the same and 8 adjacent grid squares
- 3) All readings 'Normalised' to 1kw and adjusted for site specific attributes (e.g. pitch, orientation etc.)
- 4) 'Normalised' readings for each site compared to all peers daily

Fault: <75% mean generation of peers over 5 days (normalised generation per kWp of capacity)

Consultancy

Ecovision Asset Management can help in all aspects that relate to Rooftop Solar PV. We have significant experience in asset origination, construction and sale through to operation, maximising value, remedial works projects and ongoing asset management. As a consequence we can offer assistance in the following areas;

- Survey installations and assess performance across a portfolio
- Yield evaluation assessments
- Legal compliance reviews
- Involvement with the sale and purchase of SPV's
- Advice and consulting on sale and purchase

Our services include:

- Project Management
- Technical Due Diligence
- Operation Due Diligence
- Optimisation programmes
- Installation services and management
- Remedial works programmes
- Brokering service to buy and sell SPV's holding installed Solar PV assets
- MCS and completion of statutory and regulatory documentation

Contact Us

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