



Existing solar asset owners are increasingly facing generation loss of their assets. A lack of a data-driven decision-making process results in a loss of revenue for them. Reactive O&M response keeping them behind the curve.

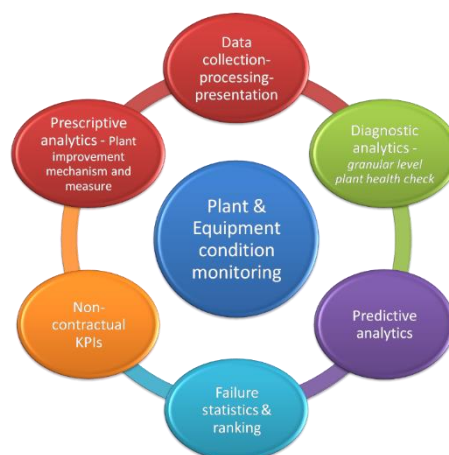
That is why an asset optimisation strategy is an essential instrument for asset owners. To support the decision-making for asset owners and asset manager, GreenEnco has developed a technical portfolio optimisation strategy considering technical, contractual and commercial aspects.

GreenEnco's systematic optimisation approach (PVAPM – PV Asset Performance Management) has been adding value proposition to the solar assets in Asia and Europe. PVAPM strategy is driven by a unique combination of "High Tech" (i.e. artificial intelligence (AI) & machine learning (ML) algorithms developed in-house) and "High Touch" (solar domain intelligence), which helps asset owners to unfold the true value of their assets.

GreenEnco's optimisation services are proven to be a successful tool to improve the efficiency of O&M contractors and help the asset owners achieve the improved generation of their assets.

GreenEnco's PVAPM can increase the energy efficiency of an existing solar system by following three key steps:

- Diagnostic analysis
- Prescriptive analysis
- Prescriptive analysis



Key Sources of errors:





## Case Studies



Location: Switzerland  
 Capacity: ~650 KWp (Rooftop)  
 Module: Poly crystalline (260 Wp)  
 Inverter: Central & string  
 Improvement: 6%

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Location: UK  
 Capacity: ~20 MWp (Ground mounted)  
 Module: Poly crystalline (275 Wp)  
 Inverter: String  
 Improvement: 4.5%

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Location: India  
 Capacity: 100 MWp (Ground mounted)  
 Module: Poly crystalline (305 Wp)  
 Inverter: Central  
 Improvement: 16%

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Location: France  
 Capacity: ~8 MWp (Ground mounted)  
 Module: CdTe thin film (85 Wp)  
 Inverter: Central  
 Improvement: 10%

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Location: Switzerland  
 Capacity: ~900 KWp (Rooftop)  
 Module: Poly crystalline (245 Wp)  
 Inverter: String  
 Improvement: 9%

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Location: Thailand  
 Capacity: ~5 MWp (Ground mounted)  
 Module: Poly crystalline (285 Wp)  
 Inverter: Central  
 Improvement: 4%

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