



The Award Winning Solar Enterprise Resource Planning Platform Integrated Solar Monitoring, O&M, Asset Management

At the core of our unique and comprehensive approach to the care of solar PV energy assets, is ACTIS (Asset Control Telemetry Information System), our award winning solar enterprise resource planning platform.

ACTIS delivers an integrated platform of solar investor and plant owner benefits. Three core capabilities set our platform apart from any other on the market!

World Class Monitoring System

- Full alerting and alert handling capabilities with configuration down to the individual string level
- Monitoring of all devices
- Monitoring of communication network quality
- Monitoring of security system
- Over 35 different customizable charts for analysing technical and financial data
- Evaluation through data comparison
- Dashboards with true real-time information on the operation of the plant(s)

Service Management

- Incident identification, handling and statistical evaluation
- Management of as-built information
- Equipment inventory
- Spare part management
- Technician/Subcontractor management
- Technician/Subcontractor evaluation
- Technician/Subcontractor training management
- Service scheduling
- Subcontractor terms and conditions
- Full alerting configuration
- Service cost management
- Technical KPI calculation (response, resolution time, PR, AVA, Uptime etc.)

Asset Management

- Account & Contact Management
- Activity management
- Contract & Document management
- Contract compliance
- Owner's activities management
- PPA's
- Warranty management
- Cash flow management, Financial alerting
- Loan management
- Insurance claims management
- Business plan management
- Financial KPI calculation (DSCR, IRR etc.)

Portfolio by MWp by country as of September 2015.



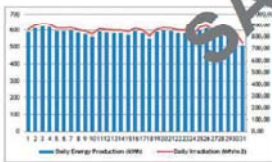
Plant Data

Name	Sample	Peak Power	100 kWp
Report Period	July 2012	Feed-in Tariff (FIT)	0,319 €/MWh
Location	Sample	Grid-connection Date	24 Dec 2010
Issued by	BackOffice O&M Engineer	Periodic Report	X
Verified by	O&M Responsible Team	Extra Report	-
Approved by	O&M Director	Other	-
Addressed to	MF.....	Elaboration Date	12 Nov 2012

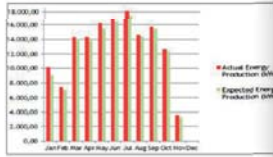
Energy Yield - Revenue

Executive Summary

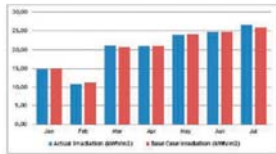
In July 2012, the sample plant produced 18.100,00 kWh and its monthly revenue was equal to 5.773,94 based on the FIT. The PV system had a PR of 85,9 % and an AVA of 99,4 %.



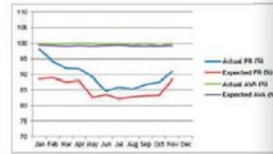
I. Daily Energy Production is irradiation in July 2012



II. Actual vs. Expected Monthly Energy Outputs in 2012



III. Actual vs Base Case irradiation in 2012



IV. Actual vs. Expected Monthly PR/AVA values in 2012

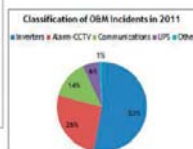
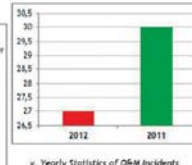
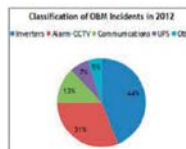
Date	Month	Year	Energy Comparison		PR [%]		KPI's Comparison	
			2012	2011	2012	2011	2012	2011
	Jan	2012	10.000,00	9.500,00	95,1	94,8	100,0	100,0
	Feb	2012	7.500,00	7.000,00	94,2	93,6	99,8	99,8
	Mar	2012	14.300,00	14.000,00	92,2	91,1	100,0	99,6
	Apr	2012	14.500,00	14.300,00	92,0	91,6	100,0	100,0
	May	2012	16.000,00	16.000,00	89,3	89,4	100,0	100,0
	Jun	2012	16.900,00	16.500,00	84,7	84,5	99,5	99,2
	Jul	2012	18.100,00	17.800,00	85,9	84,7	99,4	99,4
	Aug	2012	17.400,00	17.000,00	84,7	84,7	100,0	100,0
	Sep	2012	16.800,00	16.500,00	84,1	83,5	100,0	100,0
	Oct	2012	15.900,00	15.500,00	83,9	84,3	100,0	99,8
	Nov	2012	14.800,00	14.500,00	86,7	84,3	100,0	100,0
	Dec	2012	10.000,00	9.700,00	87,0	87,1	99,9	99,7
	Yearly Total		172.400,00	168.200,00		87,5	99,9	99,8

O&M Incidents

Executive Summary

In July 2012, there were 4 alert notifications in the plant. Maintenance services occurred according to schedule. The list below includes the critical events for the reporting period.

No	Start Date	Alert Configuration #3	Equipment	Status	Severity	General Comments
1	01-07-12 14:22	Cabin High Temperature	Cabin Temp. Sensor	Closed	Minor	
2	05-07-12 17:03	Inverter Energy Comparison	Inverter 03	Open	Serious	
3	20-07-12 15:35	Inverter Temperature Alert	Inverter D4	Closed	Medium	
4	25-07-12 16:17	Inverter Temperature Alert	Inverter 05	Closed	Medium	



ACTIS delivers these overall capabilities to your solar portfolio:

- Flexible and evolved platform for the integrated care of solar PV plants worldwide
- Efficient and standardized management of PV assets
- Operation & Maintenance costs reduction
- Asset Management higher efficiency
- PV Plant portfolio yield maximization
- PV Plant portfolio continuous performance and service optimization
- Easy, timely & accurate customizable management reporting
- Completely expandable according to any customer need



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