

SIEMENS



SICAM PPC

Welcome to the world of easy to configure plant control systems!

Whether you are a **planner, end customer, system integrator, or simply interested in sustainable energy solutions** – our expertise and comprehensive portfolio make us the ideal partner for your needs.

With our advanced Plant Control system SICAM PPC, we offer you a standardized product that ensures, reliable and efficient control of your PV system or combined PV systems with wind farms and/or battery storage systems.

Let us shape the future of energy supply together!

Our offerings typically include the following components, depending on your specific requirements and market:



Consulting

Our experts are at your side from the very beginning to understand your needs and to find the best products and solutions for your project. We provide comprehensive consulting to ensure that your plant control system is optimally tailored to your requirements.



Engineering

Our experienced engineering team handles the planning and implementation of your plant control systems. We ensure that all components are seamlessly integrated, and that the system operates efficiently and reliably.



Hardware

We supply high-quality hardware components specifically designed for use in energy automation systems. This includes the A8000 platform, known for its flexibility and reliability.



Testing

Before final handover, we conduct extensive tests, such as Factory Acceptance Tests (FAT) and Site Acceptance Tests (SAT), to ensure the performance and reliability of your plant control system. We check all components and functions to ensure they meet the highest standards.



Software

Our software enables fast and reliable control and monitoring of your Photovoltaic systems or plants. With predefined functions, it enables grid code compliance of your system.



Training

To ensure you can fully exploit the potential of your plant control systems, we offer comprehensive training for your team. Our training programs are designed to provide you with the necessary knowledge and skills to operate and maintain your system effectively.



Commissioning

We can support you during the commissioning of your plant control system to ensure everything runs smoothly.

In this case, our experts carry out comprehensive tests and make all the necessary adjustments.

A exemplary scope of supply could be:

Pos.	Pos. Type	Deliverable	Description
1.1	AP1	Loose components	1 x SICAM A8000 CP-8050 Master Modul A8000; 1 x Flash Card 2GB; 1 x PS-8620 power supply 24-60 VDC [12W]
1.1.1	NP	SICAM A8000 CP8031	SICAM A8000 CP-8050 Master module (PPC)
1.1.3	NP	SICAM A8000 PS86XX	Powersupply based on available Voltage Level
1.1.4	OP	GPS Clock / Antenna	GPS Network Time Server / GPS Network Antenna
1.1	AP2	MGC Multipurpose Box (MAB)	All PPC Components pre mounted & tested in industrial grade panel housing, wall mounted
1.2	OP	Measurement Unit (-s)	Siemens SICAM T, Measurement Unit (-s) – for POCC (-s)
2		Services	
2.1	NP	Project Management	Includes preparation of specifications. Content of specifications: Clarification of technical requirements + specific conditions, signal lists, functions and properties of existing and new systems, coordination of existing systems.
2.2	OP	Engineering	Basic engineering, preparation of the functional template for the respective project scope.
2.3	OP	Cyber Security Workshop	Define your cyber security needs with our experts.
3		Commissioning	
3.1	NP	Basic commissioning	Telecontrol interfacing of the communication interfaces, parameterization of the functions, IP addresses.
3.2	NP	Functional implementation	Implementation of functions with integration of all assets as well as specific parameters.
4		Asset specific commissioning	
4.1	OP	Asset – Type e.g. PV-Inverters, Battery-Systems, Wind-Farms	Linking of all communication interfaces, IP addresses according to specifications, parameterization of functions. Communication connection (protocol) to asset. Functional Test (following signal list).
4.2	OP	POCC Gateway DSO	Communication connection to the on-site gateway (network operator, or DSO)
5		Testing	
5.1	OP	Test FAT (Factory Acceptance Test)	Overall test of the plant, documentation according to test book.
5.2	OP	Test SAT (Site Acceptance Test)	Overall test of the plant, documentation according to test book, acceptance by customer.
6		Licenses	
6.1	NP	SICAM-PPC-Software-License, <= 50 MW	Software-License for SICAM PPC Application <= 50 MW
6.2	NP	SICAM-Software-License, 50 MW <= 200 MW	Software-License for SICAM PPC Application 50 MW < = 200 MW
6.3	NP	SICAM-Software-License, > 200 MW	Software-License for SICAM PPC Application > 200 MW

AP = Alternative Position

NP = Normal Position

OP = Option

– ONE must be chosen

– MUST be chosen in any case

– Optional