



## SICAM CUSTOMER APPLICATION

# SICAM SIAPP – more performance for SICAM 8

[siemens.com/sicam8](https://siemens.com/sicam8)

SIAPPs are 3rd-party applications that can be installed on the SICAM 8 platform, allowing for the quick and easy creation of up to three custom applications.






The creation of an application is done through the SIAPP Software Development Kit (SDK) – based on Docker. By using SIAPP, you can leverage the power of SICAM 8 without needing your own hardware, while simultaneously having full access to all RTU data.



### Your Advantages with SIAPPs

- Save on hardware, reduce spare parts:  
Combine various applications on a single reliable and high-performance CPU
- Minimize maintenance or downtime:  
Container deployment allows for quick & easy patching of services
- Increase availability:  
Distribute central client services and autonomous executions
- Customize a global product to your local needs:  
Add your functions independently alongside the product lifecycle
- Shorten „time-to-market“:  
Quickly integrate your own applications into an industrial environment

### SICAM 8 Highlights

-  Robust hardware
-  Extensive RTU functionality
-  Tested communication protocols
-  Develop your own apps
-  State-of-the-art cybersecurity



### Where are SIAPPs used?

The SICAM 8 platform is used throughout the entire energy supply chain for controlling, remote operation, and automation.

SIAPP enables additional functionalities, allowing you to customize SICAM 8 specifically for your applications.

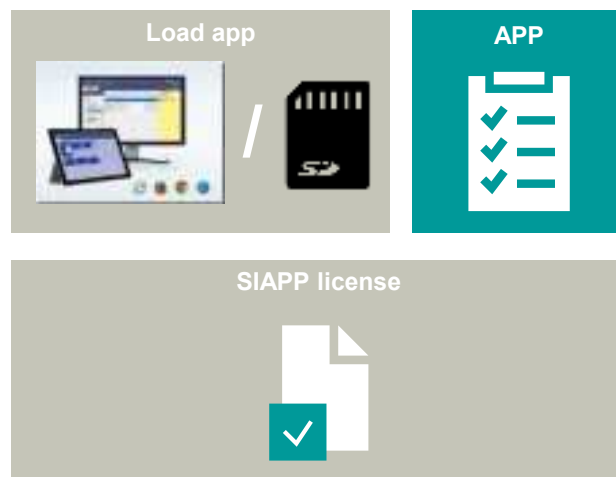
Develop your own apps for, for example:

- Protocol converters
- Notification or alert services
- Optimization of energy storage systems
- Utilizing weather forecasts for the control of renewable energy feed-ins
- Cost optimization in energy trading

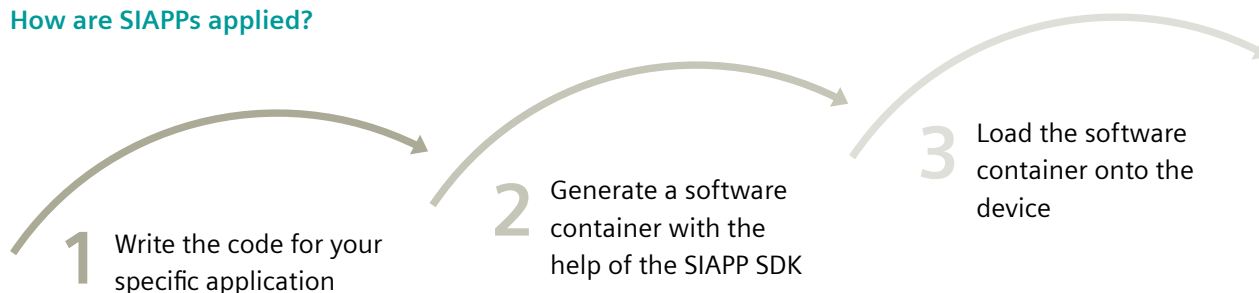
### How are SIAPPs structured?

To be able to use SIAPPs, you are required to have the following:

- A SIAPP license
- Download the SIAPP SDK from „Github“ (<https://github.com/siemens/siapp-sdk>) and install all the necessary components
- Now you can create a SIAPP from one of the example projects or write your own SIAPP
- Use the build.py script to generate a SIAPP from the Dockerfile
- Now you can emulate the SIAPP locally with the run.py script or
- Download this directly via SICAM Device Manager, SICAM Web, or an SD card to your processor module
- On the SICAM A8000 CP-8010, CP-8012, CP-8031, and the SICAM EGS, you can use a maximum of one SIAPP
- On the SICAM A8000 CP-8050 and the SICAM 8 Software Solution, you can run up to 3 SIAPPs simultaneously



### How are SIAPPs applied?



#### SIAPP license

You can obtain the SIAPP license through an OSD download or the Function Point Manager.

 Expert Workshop - Getting to know SICAM SIAPP