

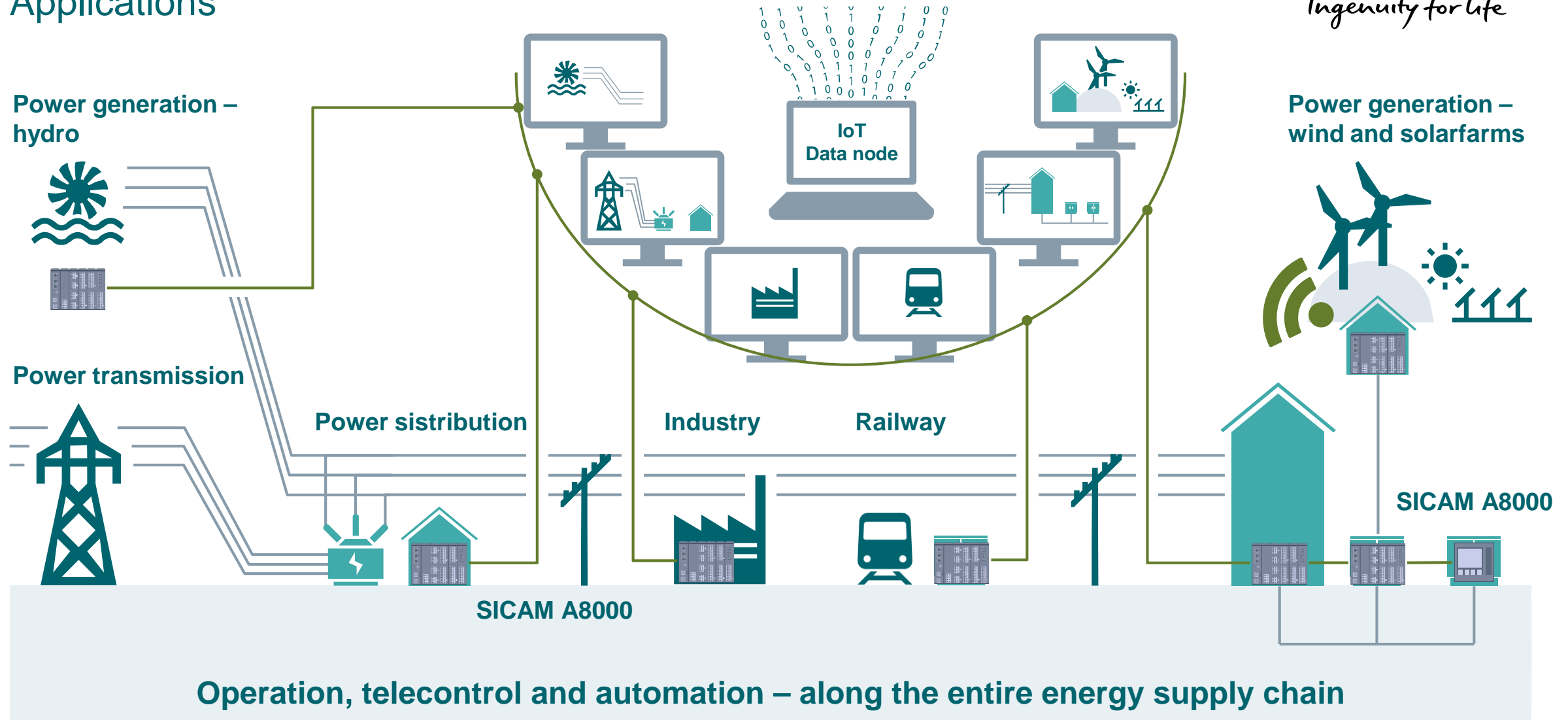


SICAM A8000

SIAPP (SICAM Application) on CP-8050

- App Energy Trade
- App Data Analytics
- App Tailored Protocol
- App Weather Forecast
- App Storage Efficiency
- App Security Add-On

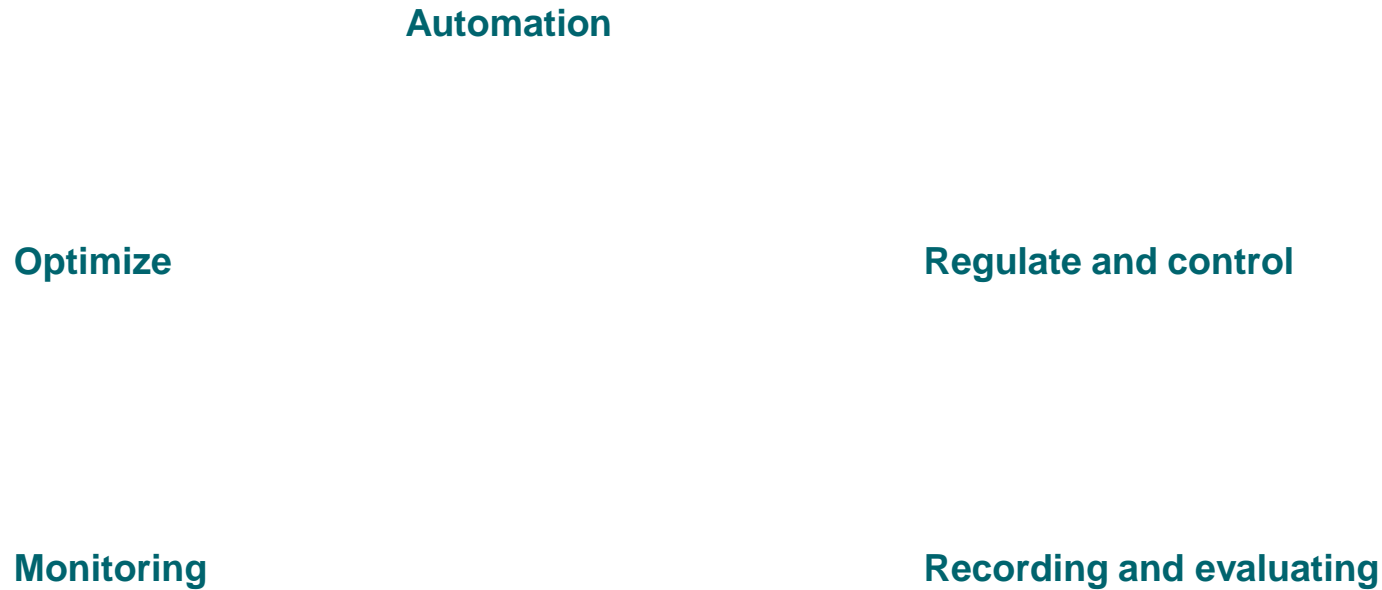
SICAM A8000 Applications



SIEMENS
Ingenuity for life

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What's SIAPP (SICAM Application)



Optimizes the requirements for an individual operating procedure

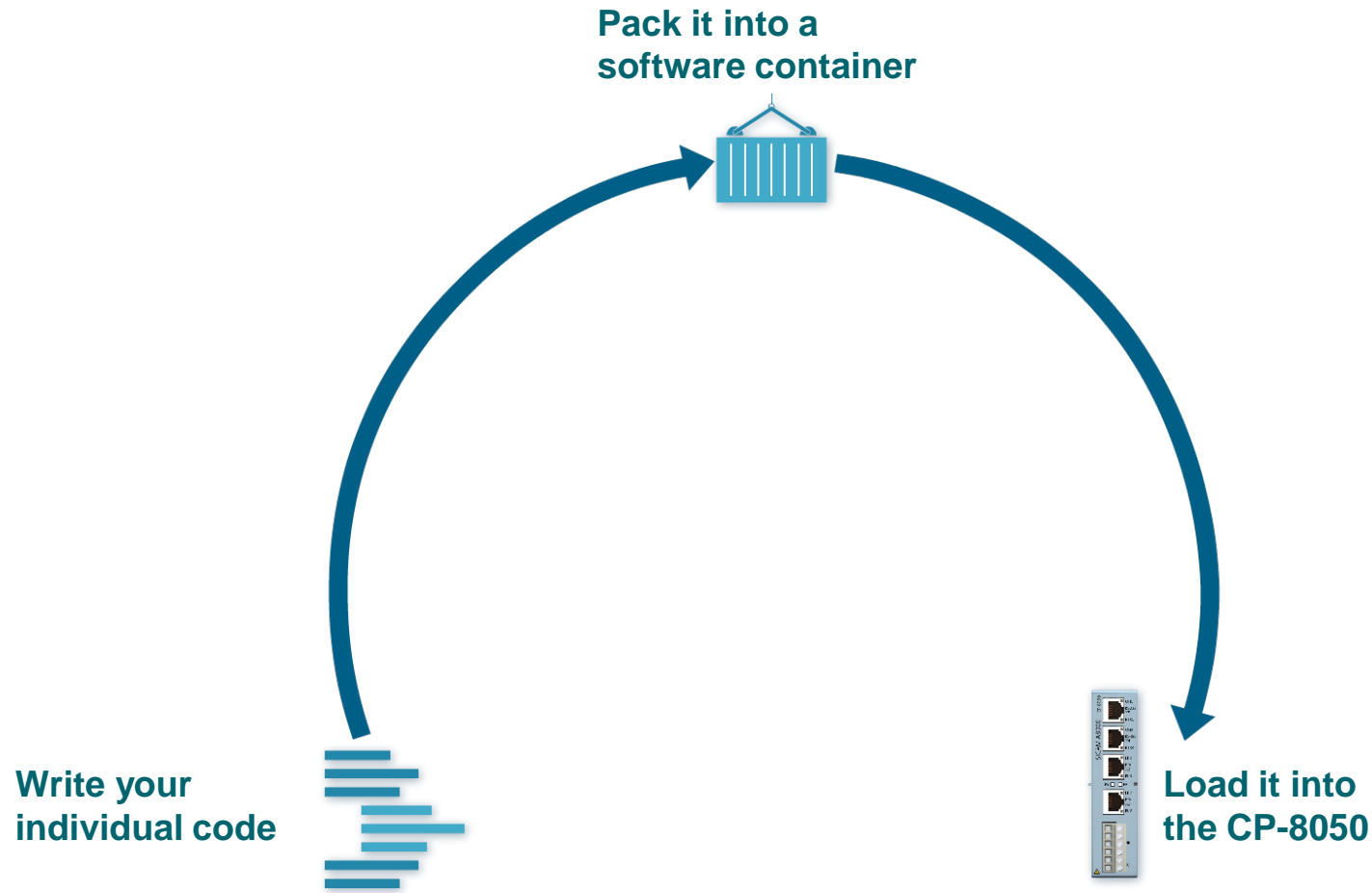
- Recording and evaluating data
- Monitoring of the plant
- Automation of the plant
- Regulate and control
- Optimize

SIAPP is the basis for all requirements

- Runtime-License only for CP-8050
- Enables a customised application for third parties, independent of the RTU functionality
- Accessing RTU data

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How does SIAPP work



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SIAPP, more performance in only 3 basic steps

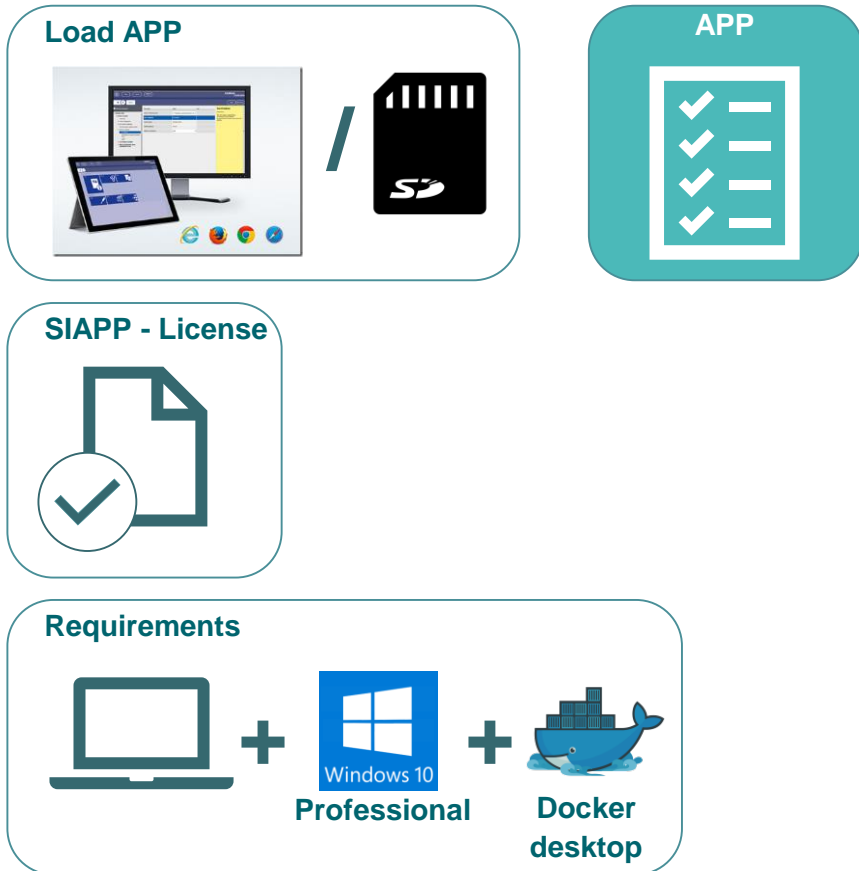
- 1) Write the code for your special requirement
- 2) Pack this code into a software container
- 3) Load this software container with SICAM Web into the CP-8050 processor module

With the A8000 features

- Rugged hardware
- Extensive RTU functionality
- Tested communication protocols
- Etc.

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Requirements for SIAPP

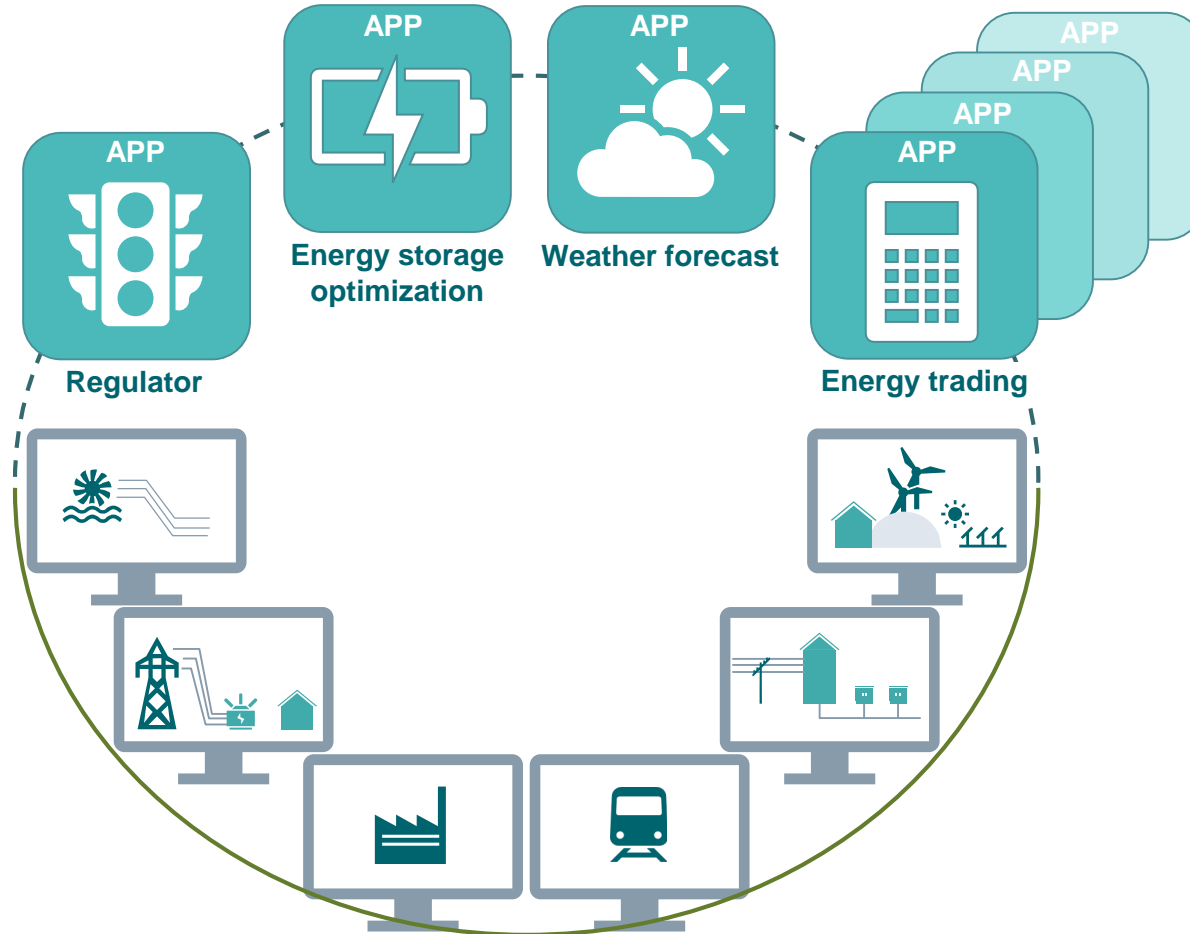


SIAPP structure

- Basic requirements and SICAM A8000 CP-8050
- SIAPP-License
- SIAPP SDK (Software Developer Kid) download from Github <https://github.com/>
- Programming and testing with the supplied API (application programming interface)
- Building SIAPP as docker image
- Load SIAPP into the CP-8050 via SICAM WEB or via SD card
- Up to 3 SIAPPs simultaneously on one CP-8050

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Application of SIAPP



Application notes

- Transformer controller
- Optimization of energy storage systems
- Weather forecasting for the control of regenerative energy feed-in
- Cost optimisation in energy trading

Customer benefits

- Reduces hardware / 3rd party devices
- Run your own custom apps on robust hardware
- Use of RTU data without physical interface
- Uses existing functions of the SICAM A8000 system

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Your benefits with SIAPP



- APP** Save hardware, reduce spare parts - combination of different services on a single reliable and powerful CPU - SICAM A8000 CP-8050
- APP** Reduce maintenance downtime - quick & easy patching of services through container deployment
- APP** Increase availability - Distribution of central client services and autonomous implementation on SICAM A8000 CP-8050
- APP** Adapt the global product to your local needs - add your functions independently of the SICAM A8000 product life cycle
- APP** Reduction of "time-to-market" - Fast embedding of your own applications in an industrial environment



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