SoData
Service of raw data acquisition based on cloud

OBJECTIVES

SoData is a service based on a sovereign French cloud infrastructure.
This service provides unique, secure access to raw data from connected SOCOMEC equipment coming from multiple buildings or sites.
Depending on the type of equipment, data sets have been defined to be made available.
The data can be retrieved by the customer via API, who can then integrate them into their own data management tools.
The data collected locally are the raw data available through the ModBus TCP, Modbus RTU protocol of SOCOMEC equipment.

PREREQUISITES

Prior to any implementation of this service, the customer undertakes to comply with the prerequisites below, which will be validated with the customer before intervention:

- SOCOMEC equipment must be electrically installed and operational.
- For installations consisting of new equipment, commissioning of the equipment will preferably be carried out by SOCOMEC.
- For existing installations, the customer must provide SOCOMEC with an exhaustive list of the products to be connected to ensure that they are compatible with the offer. If an upgrade of the installations is necessary, the customer will be informed, and this may result in an additional chargeable action.
- The equipment must be connected to the Internet directly or via a GSM connection; the feeds listed in the appendix must be authorised.
- For this service to be carried out correctly, the customer must be able to retrieve the data himself using an API (Automatic Programming Interface), then integrate it autonomously into his data management environment (Supervision, Energy Management System, etc.).

Important information:

All of these prerequisites are necessary for the service to be carried out correctly. In the event that one of these prerequisites interferes with the correct performance of the service, the SOCOMEC technician or sales representative must be informed in advance and may, if necessary, offer an additional service at a charge.
Any journey that does not enable the service to be provided will be invoiced additionally.

NATURE AND PROCEDURE OF THE SERVICE

Once all the products have been commissioned, the service consists of :

- Create a company account on the Wiotys platform.
- Create customer profiles and their sites on the Wiotys platform.
- Activate the connection between the equipment and the Wiotys platform (requires remote access or a person on site).
- Create and transmit identifiers for use of the API.
- Customers can test data feedback via Swagger (online man-machine interface).
- Retrieve data via the API in JSON format for integration into the customer's data management system.

If data transmission is interrupted (due to the network, for example), an alarm will inform the customer.

Nota Bene: if you wish to access and use the platform's administration interface, you must first take the corresponding training course. Access will not be granted without this.

REPORT

Produce a final report on the service, summarising :

- all the actions carried out
- inventory of connected equipment
- a reminder to log in
- documents or links to user support documents
- the support process

A comment field will allow the SOCOMEC technician to add useful information for the customer.

LIMITS OF THE SERVICE

This service does not include the commissioning of SOCOMEC products.
SOCOMEC cannot be held responsible for any connection interruptions caused by the communication network.
For all support requests, the customer should contact their usual sales contact.

ANNEX - eligible equipment required

SOCOMEC UPS equipped with a NetVison 7.4 or higher card

Energy monitoring architecture including :
M50/M70 with Webview M - latest version
D50/D70 with Webview M - latest version
D55/D75 - latest version
H80/H81 with Webview-L or Datalog – latest version

LoRaWan local network architecture.

APPENDIX - Network flows to be authorised

Depending on the equipment used to collect and transmit data, the customer must authorise the following outgoing flows to Wiotys

NetVision card

URL	IPs	Ports	Protocol	Object	Direction
activate.iot.socomec.com	94.125.109.122	443	HTTP (TCP/IP)	Activation	Outgoing
streams-api.iot.socomec.com	94.125.105.191 94.125.105.192 94.125.105.193	443	HTTP (TCP/IP)	Sending data	Outgoing

Diris A200, Diris Digiware Dxx/Mxx

URL	IPs	Ports	Protocol	Object	Direction
activate.iot.socomec.com	94.125.109.122	443	HTTP (TCP/IP)	Activation	Outgoing
streams-mqtt.iot.socomec.com	94.125.105.191 94.125.105.192 94.125.105.193	8883	MQTT (TCP/IP)	Sending data	Outgoing
streams-api.iot.socomec.com	94.125.105.191 94.125.105.192 94.125.105.193	443	HTTP (TCP/IP)		

DATALOG H80/H81

URL	IPs	Ports	Protocol	Object	Direction
activate.iot.socomec.com	94.125.109.122	443	HTTP (TCP/IP)	Activation	Outgoing
streams-api.magicbuilder.io	94.125.105.191 94.125.105.192 94.125.105.193	443	HTTP (TCP/IP)	Sending data	Outgoing

LoRaWan (indoor and outdoor Cloud gateway)

URL	IPs	Ports	Protocol	Object	Direction
Vpn.wiotys.net	185.60.151.55	1194 1195	UDP/IP	VPN for sending messages	Outgoing

Note: for the IoT function to work, the equipment must be able to access a time server (NTP) on the local network or the Internet.