SCorp-io

SCada as a Service

THE TEAM

The SCorp-io team has over **30 years of combined** expertise in the SCADA field.

Jean-Romain Bardet

CEO
Sales & Marketing

12 years of experience in SCADA sales & pre-sales

Cédric Godefroy

CTO
Technologies

15 years of experience in development (cloud / Saas)

Bastien Robinot

CPO
Product

12 years of experience in solution design (product, UX/UI)

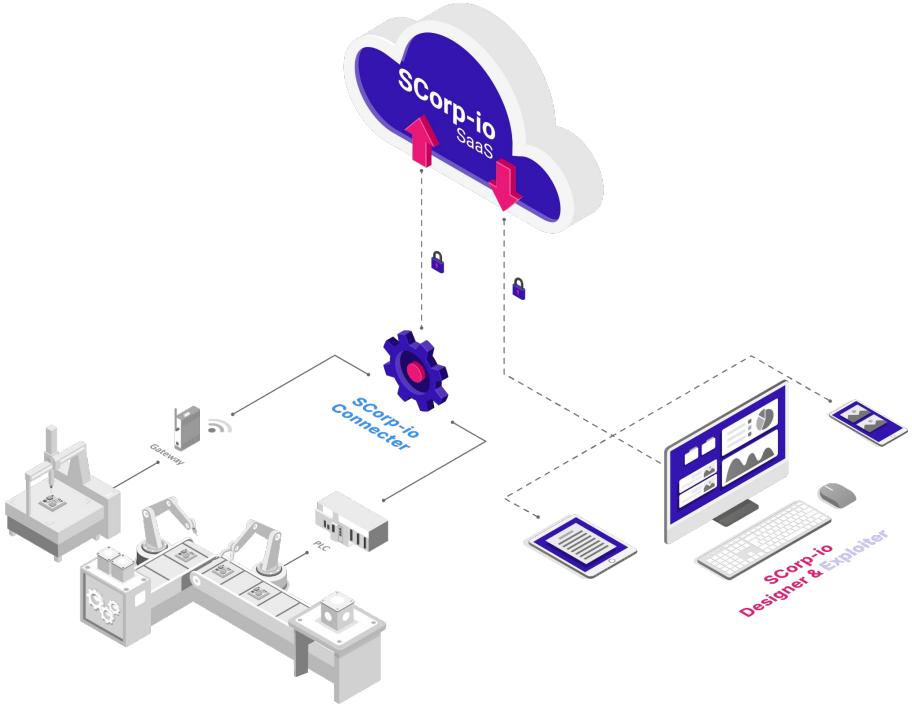
ESIEE AMIENS

utc Université de Technologie Compiègne

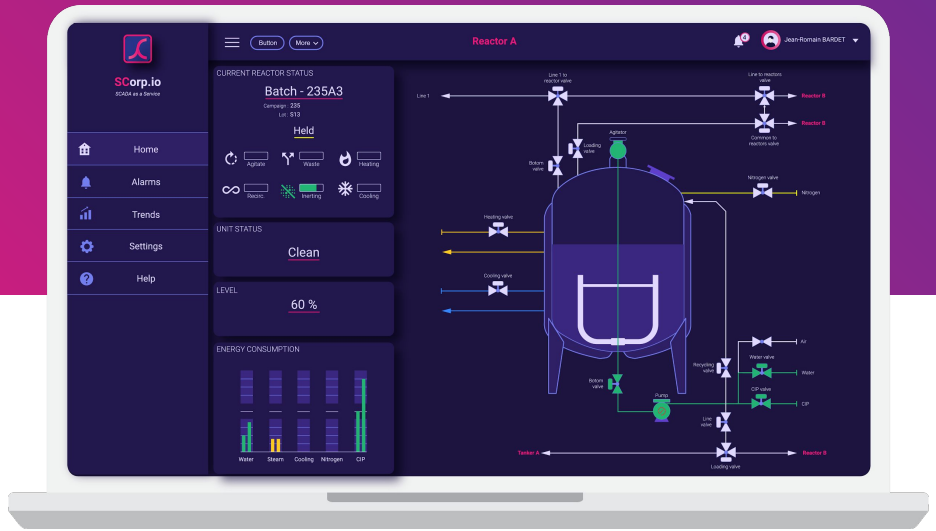
UPEC

OUR SOLUTION

SCorp-io is a revolutionary **SCADA-as-a-Service** solution



OUR SOLUTION



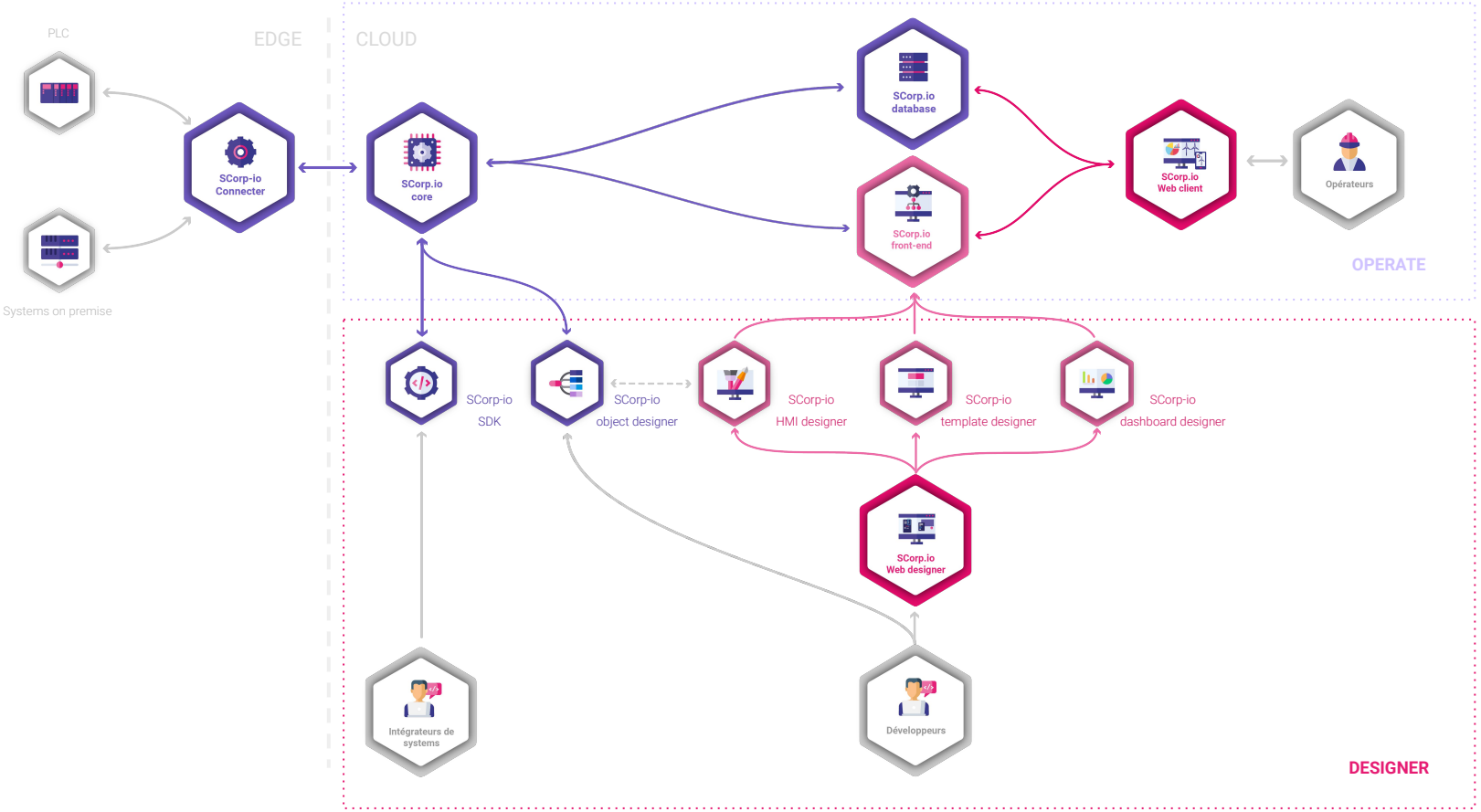
Monthly/annual subscription & 30% savings compared to on premise software

Hardware costs limited to Edge module support & Cloud connection

Almost instantaneous launch time

Monitor and control your assets from any device. Anytime, anywhere.

ARCHITECTURE



SCORP-IO EN 3 MODULES

Connect

The **edge** module routes communication between your industrial equipment and our online SCADA service.

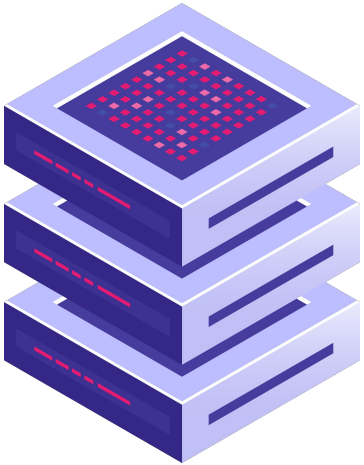
Design

Our **cloud** no-code platform empowers your business to build tailormade interfaces for your control system.

Operate

Our **cloud** platform allows you to monitor and operate in real time from a web browser or a mobile app.

MODULE CONNECT - HARDWARE



On a workstation of your infrastructure

Download and install the Connect module on a device in your infrastructure.

Installation requirements*

- A network access to the equipment.
- An access to the outside world (opening of a TCP port).
- 4Go of RAM
- 20GB of disk space

* May vary depending on the volume of data.

MODULE CONNECT - HARDWARE

Provision of equipment

If you do not have an infrastructure available on your site, we provide a mini-pc of the industrial Raspberry-pi type preconfigured with the Connecter module.

Optional 4G backup connection

Hardware configuration

- 4GB LPDDR4 RAM
- 16GB eMMC
- 2.4GHz/5GHz IEEE 802.11b
- 256GB NVMe
- LTE cat.4 + GPS
- 1 year warranty

MODULE CONNECT

1

Connection to industrial equipment

The available protocols are :

- BACnet IP
- OPC UA
- Modbus TCP

2

Data acquisition

Selection of the data to be used in the supervision application.

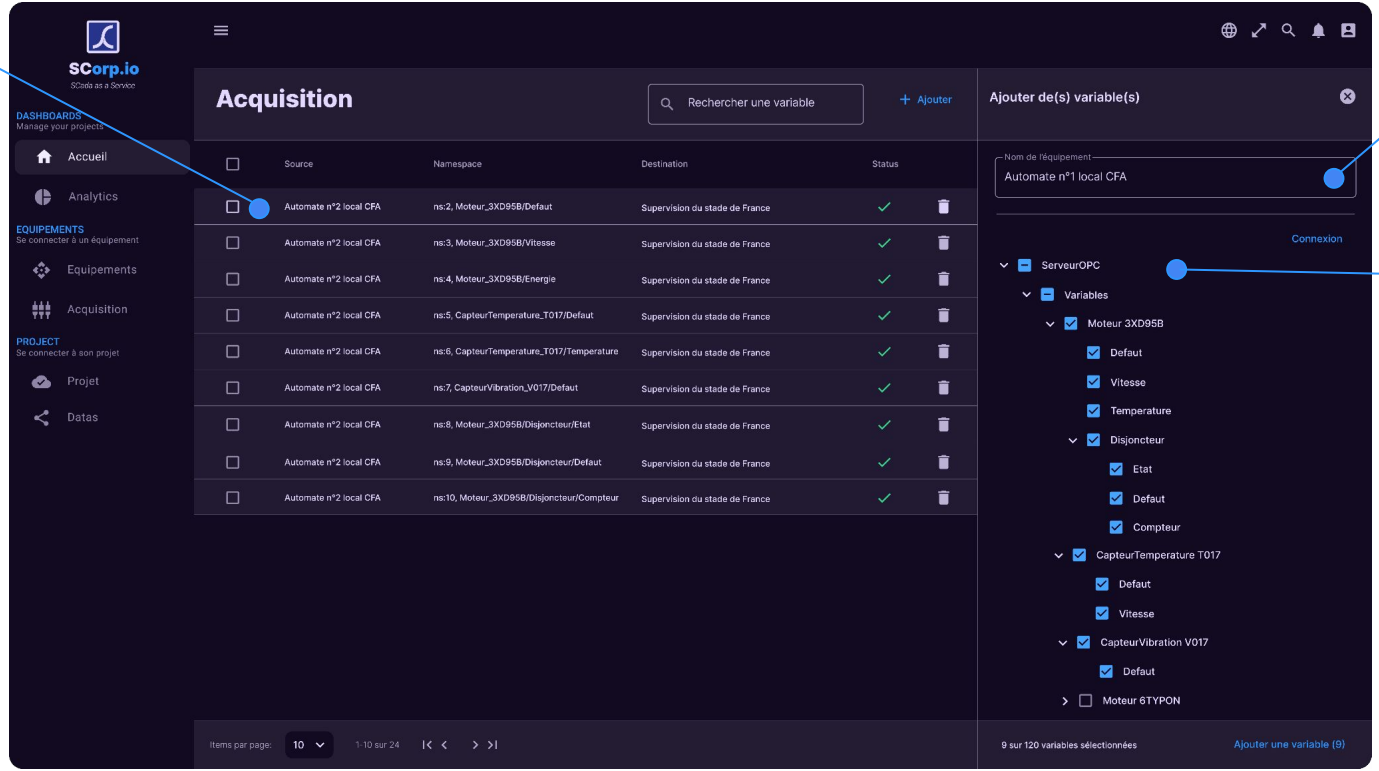
3

Connection to the cloud project

Link between the Connect module and the cloud project.

MODULE CONNECT - ACQUISITION

Data being collected



Connection to a device previously added in the Devices tab

Adding the acquisition of data(s) of an equipment

MODULE CONNECT - BENEFITS

The benefits of the Connect module ...

Security

When you first connect to the module, your first action will be to set up a user account and a password

Store & Forward

During a network failure, your data is stored locally on the module. When communication resumes, the data is automatically sent to your cloud project.

Lightness and simplicity

The Connect module has been designed to be as light as possible. The objective is to be able to install it anywhere without hardware performance constraints.

MODULE DESIGN

1

Instances & objects models

Design and instantiate your templates.

2

HMI

Design your graphic content.

3

Layouts

Customize your application.

MODULE DESIGN - OBJECT MODEL

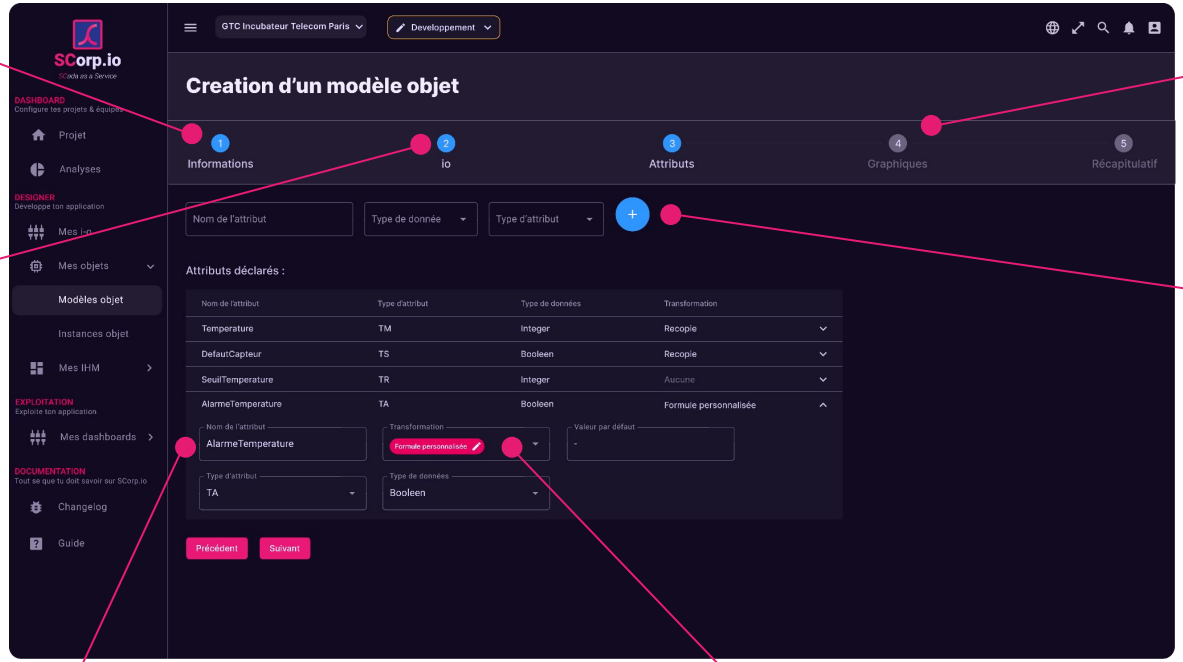
What is an object model?

- Information :
  - Name
  - List of labels (for filtering)
  - Icon
  - Customized information
- Inputs & Outputs
  - Field equipment information
- Attributes
  - A copy of the inputs & outputs
  - Custom attributes
  - Formulas & expressions on data
  - Alarm settings & notifications
  - Settings for elements to be historized
- Graphics
  - Charts
  - Animations & interactions based on parameterized attributes

MODULE DESIGN - OBJECT MODEL

Step-by-step process for creating an object model

Input and output information from the field equipment.



Ability to add graphics with animations and interactions to the object model

Adding custom attributes

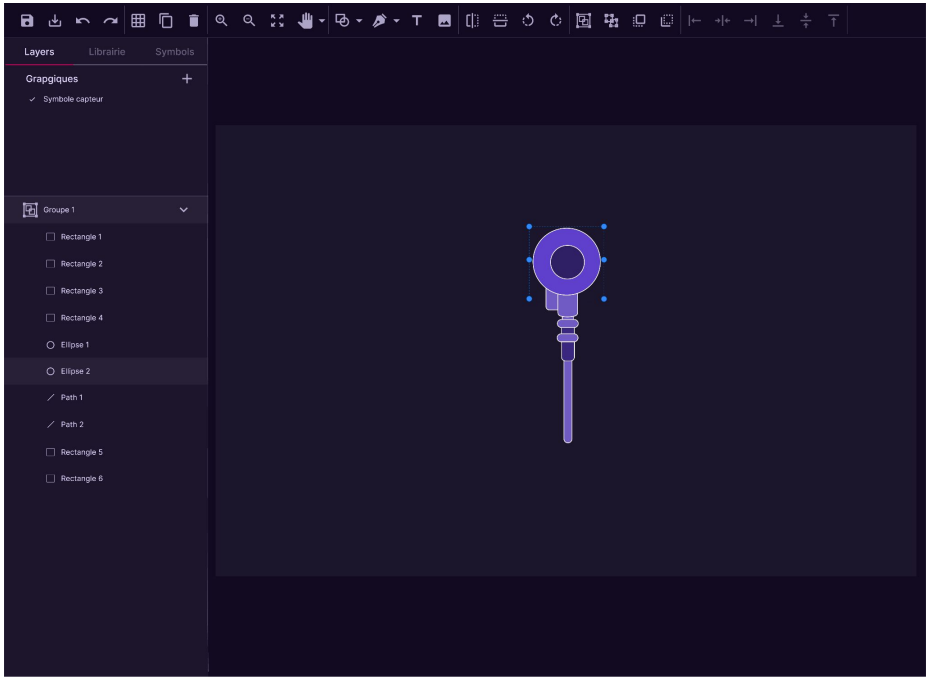
Attribute types:

- TA
- TS
- TR
- TM

Possibility to add a transformation to an attribute of an object

Eg : Temperature alarm = TM Temperature > High threshold

MODULE DESIGN - GRAPHIC EDITOR



Graphic editor

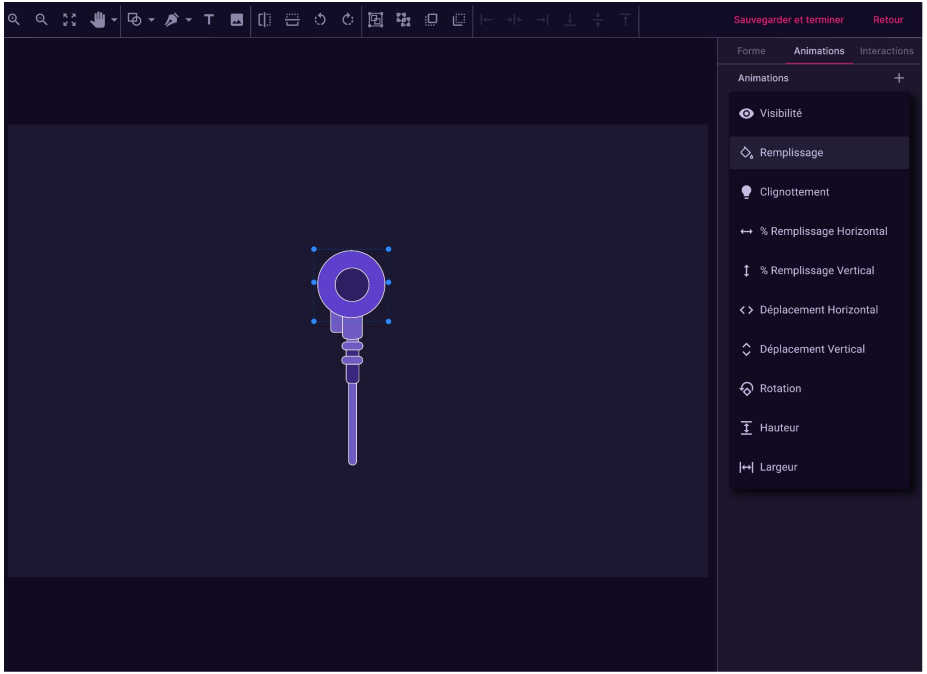
A vector editor is integrated in our solution to allow you to create graphical models of your various equipment and HMI.

MODULE DESIGN - GRAPHIC EDITOR

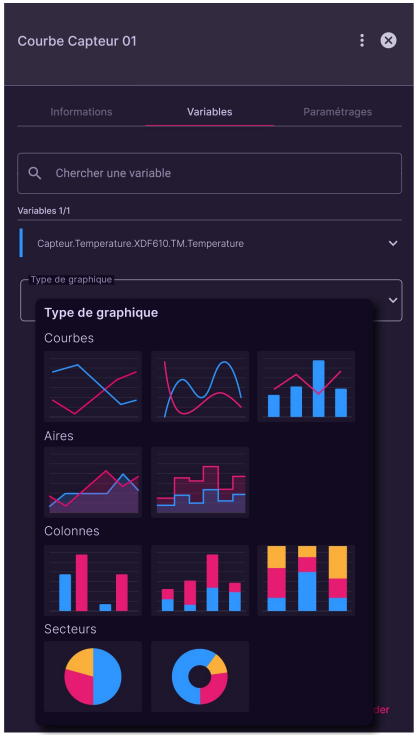
Animations

A list of animations is at your disposal to make your graphs more dynamic.

The animations in your graphs allow you to quickly visualize an event or an alarm in the Exploit module.



MODULE DESIGN - DASHBOARD



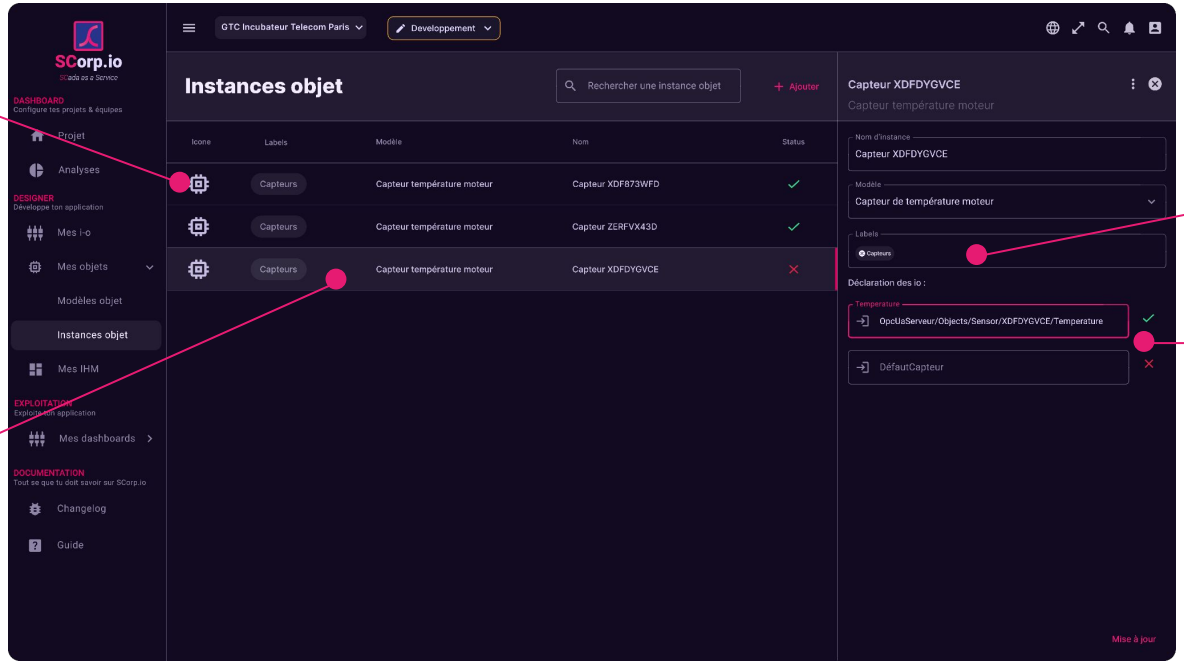
Dashboard

A graph editor allows you to configure dashboards and graphs to visualize historical data.

It is then possible to arrange the graphs in one or more dashboards to be used in the Exploit module.

MODULE DESIGNER - OBJECT INSTANCE

Object model instances



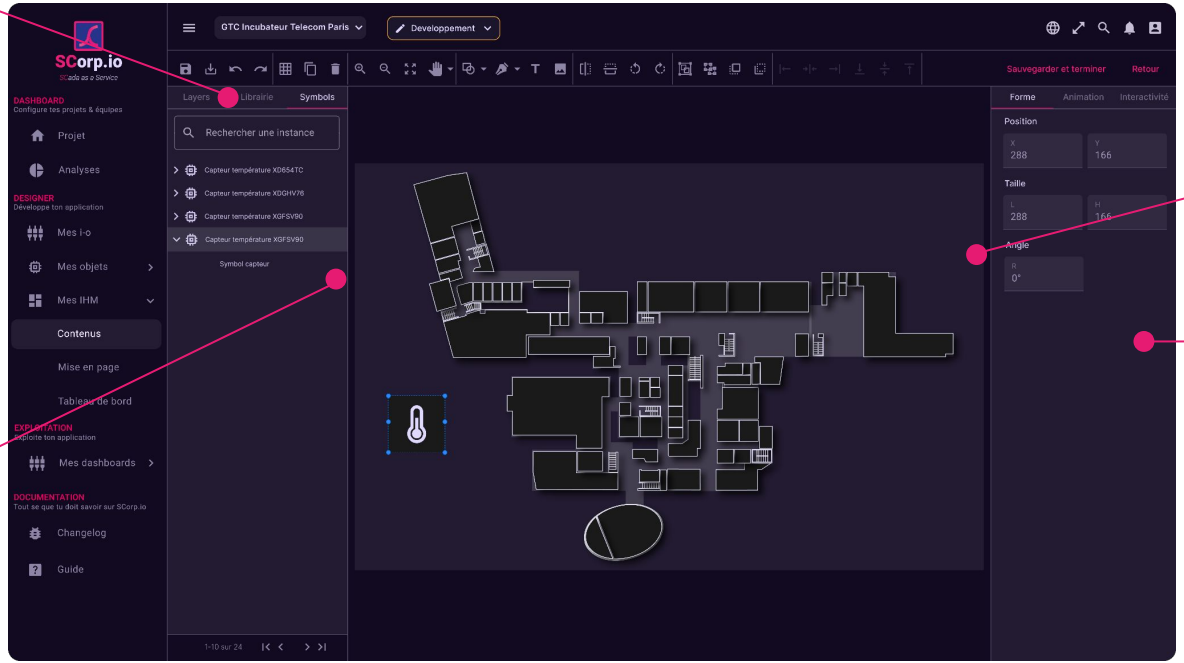
Information of the object instance

Object & Instance model labels

Connection to field equipment variables

DESIGNER MODULE - HMI

Library of graphic objects



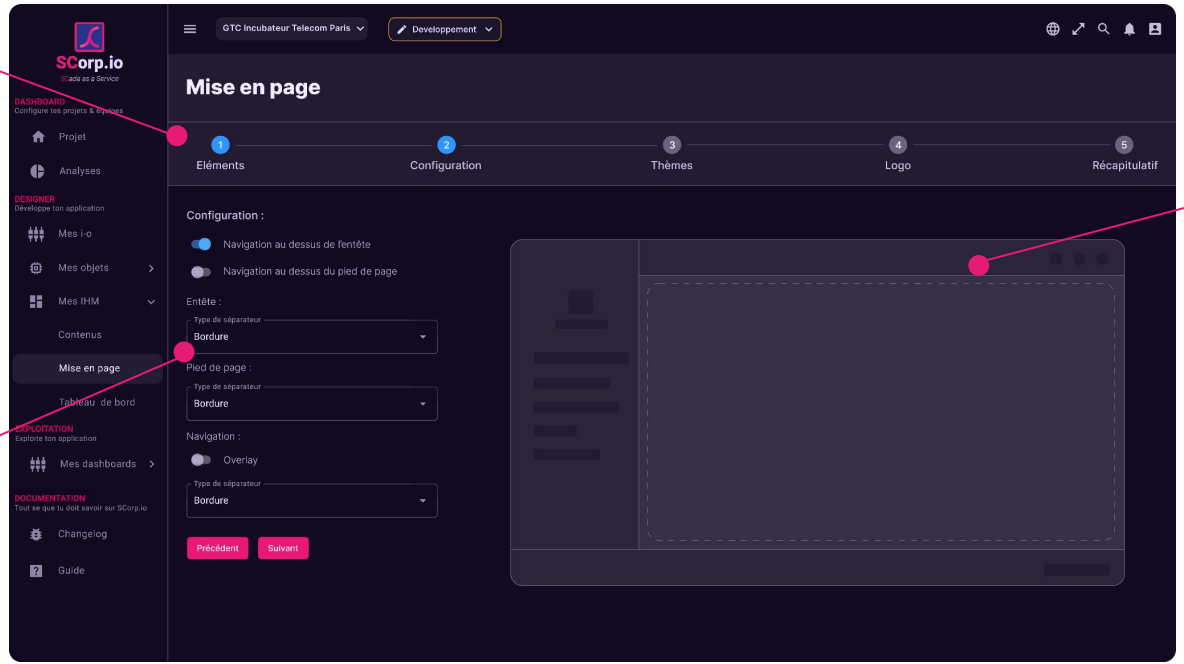
Vector HMI

Graphic forms editor

Graphics from the Instances of object models

DESIGNER MODULE - LAYOUT

Step-by-step process for creating a layout



Customizable layout settings

Display the result of the layout configuration

MODULE DESIGN - BENEFITS

The benefits of the Designer module...

Security

Authenticate to the Designer module cloud platform securely with the OAuth2 protocol.
It will be possible to strengthen security by enabling two-factor authentication (2FA)

Vector graphics editor

Our graphic editor is vector-based and uses the SVG standard. The zoom effects will have no impact on the quality of your different graphics.

Versioning

The Designer module integrates version management. You can make your application evolve over time without impacting the operation.

MODULE OPERATE

1

Connection

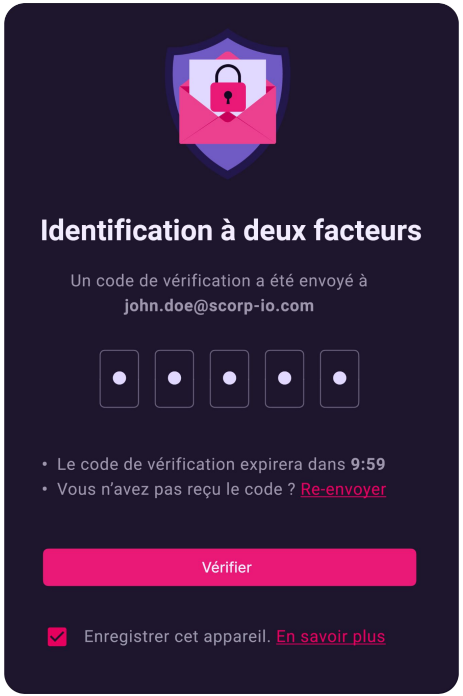
Connection to your application.

2

Monitoring & control

Monitoring & control your application.

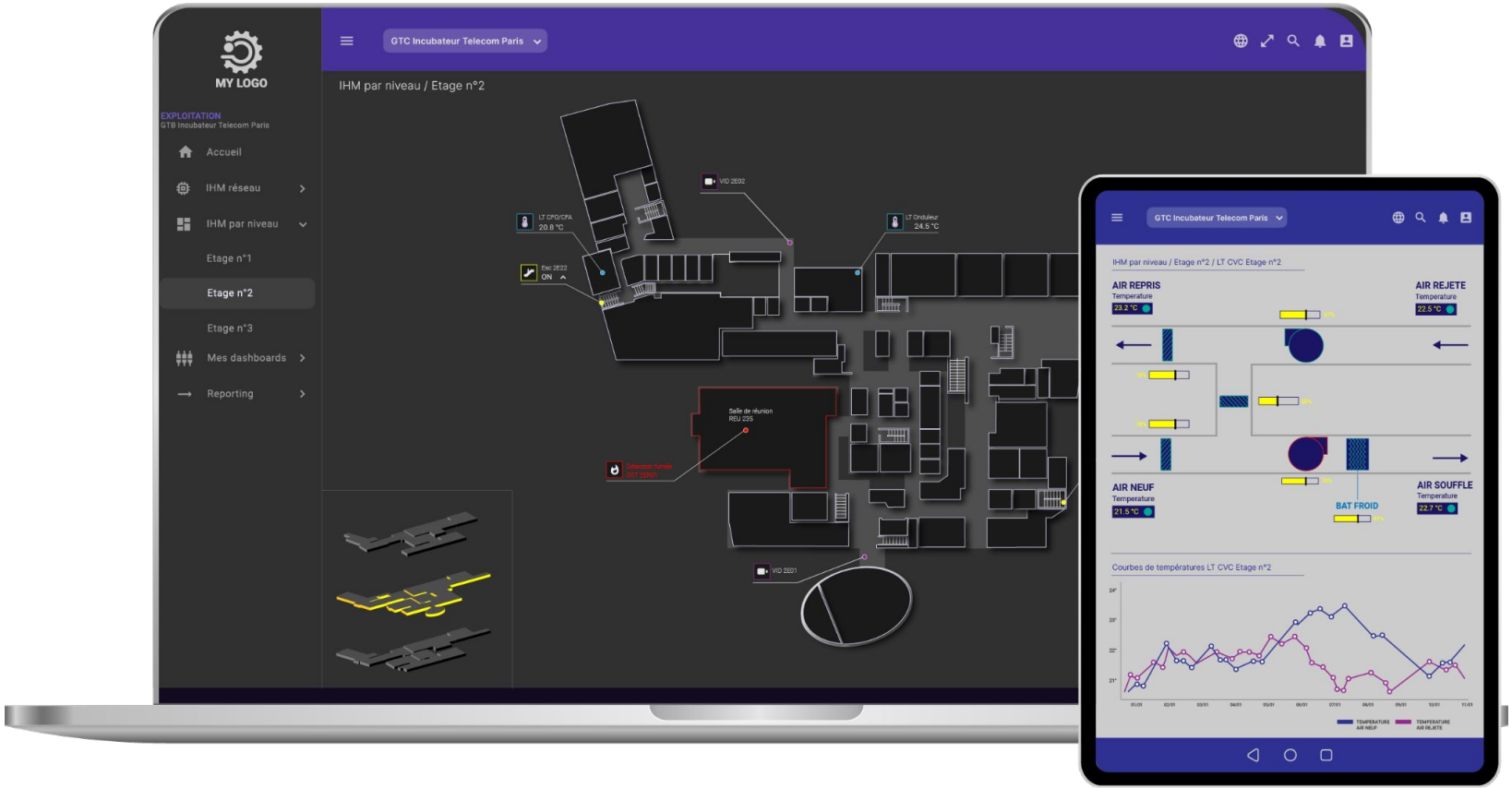
MODULE OPERATE - 2FA



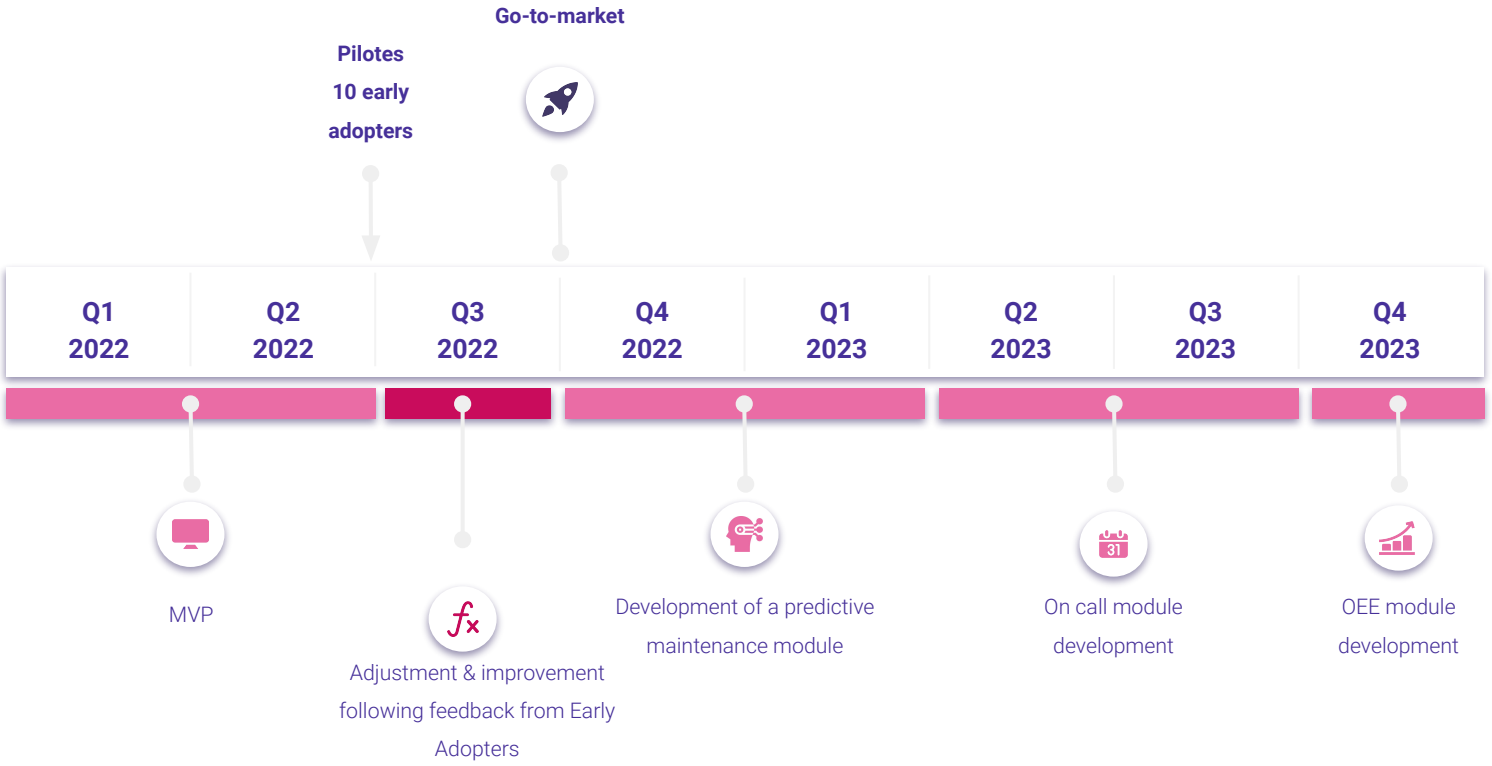
2FA Security

Benefit from an end-to-end secure application, from field communication protocols to authentication mode (OAuth2 & 2FA).

MODULE OPERATE - MONITORING & CONTROL



PRODUCT ROADMAP



Thanks you

Find us on our website or on our linkedin page !

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