



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

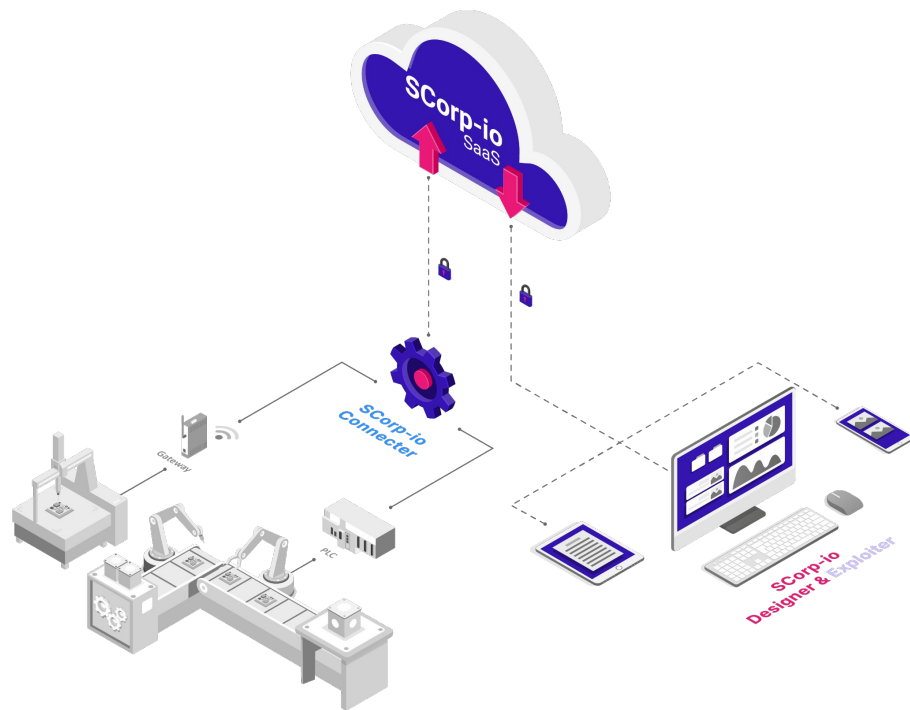
Product

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

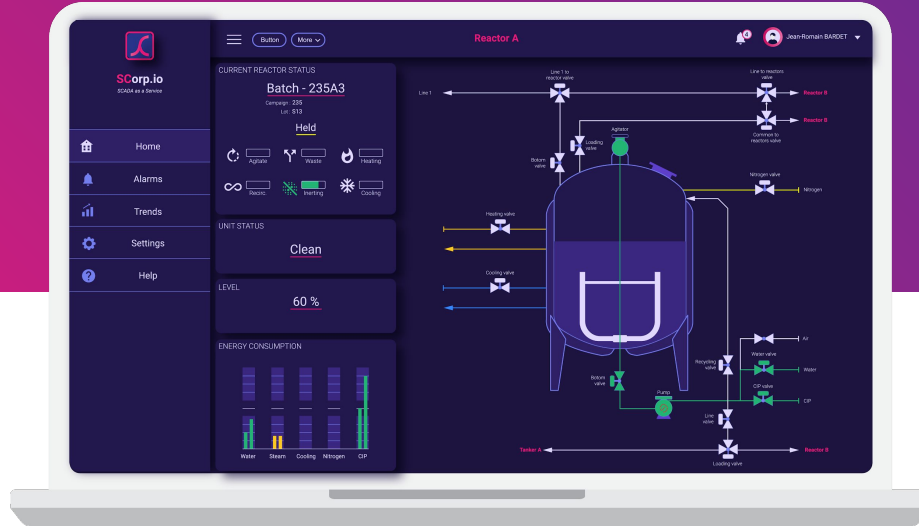


OUR SOLUTION

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



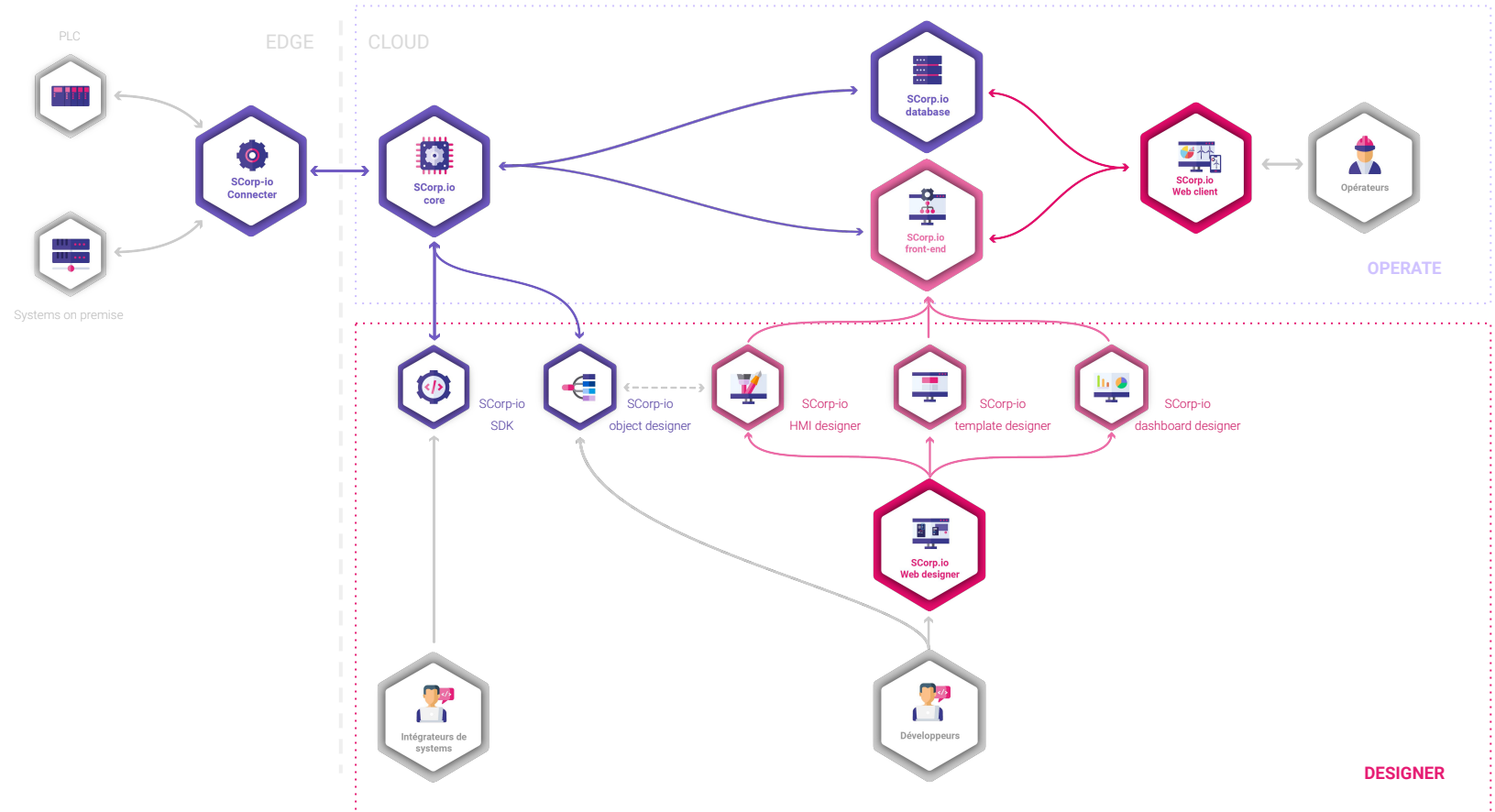
Almost instantaneous launch
time



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 tailored interfaces for your control system.

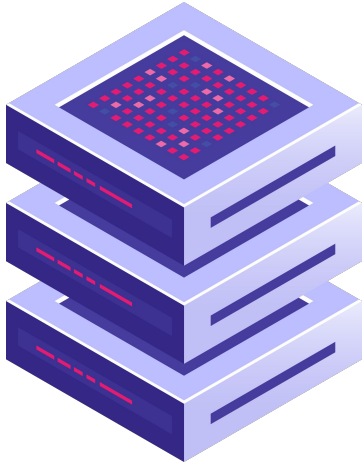
Operate



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 Connector 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

SCORP.io
SCADA as a Service

Acquisition

Rechercher une variable + Ajouter

Source	Namespace	Destination	Status
<input type="checkbox"/> Automate n°2 local CFA	ns:2, Moteur_3XD95B/Default	Supervision du stade de France	✓
<input type="checkbox"/> Automate n°2 local CFA	ns:3, Moteur_3XD95B/Vitesse	Supervision du stade de France	✓
<input type="checkbox"/> Automate n°2 local CFA	ns:4, Moteur_3XD95B/Energie	Supervision du stade de France	✓
<input type="checkbox"/> Automate n°2 local CFA	ns:5, CapteurTemperature_T017/Default	Supervision du stade de France	✓
<input type="checkbox"/> Automate n°2 local CFA	ns:6, CapteurTemperature_T017/Temperature	Supervision du stade de France	✓
<input type="checkbox"/> Automate n°2 local CFA	ns:7, CapteurVibration_V017/Default	Supervision du stade de France	✓
<input type="checkbox"/> Automate n°2 local CFA	ns:8, Moteur_3XD95B/Disjoncteur/Etat	Supervision du stade de France	✓
<input type="checkbox"/> Automate n°2 local CFA	ns:9, Moteur_3XD95B/Disjoncteur/Default	Supervision du stade de France	✓
<input type="checkbox"/> Automate n°2 local CFA	ns:10, Moteur_3XD95B/Disjoncteur/Compteur	Supervision du stade de France	✓

Items par page: 10 1-10 sur 24 < >

Ajouter de(s) variable(s)

Nom de l'équipement: Automate n°1 local CFA

Connexion

- ✓ ServeurOPC
 - ✓ Variables
 - ✓ Moteur 3XD95B
 - ✓ Default
 - ✓ Vitesse
 - ✓ Temperature
 - ✓ Disjoncteur
 - ✓ Etat
 - ✓ Default
 - ✓ Compteur
 - ✓ CapteurTemperature T017
 - ✓ Default
 - ✓ Vitesse
 - ✓ CapteurVibration V017
 - ✓ Default
 - > Moteur 6TYPON

9 sur 120 variables sélectionnées Ajouter une variable (9)

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

Creation d'un modèle objet

1 Informations 2 io 3 Attributs 4 Graphiques 5 Récapitulatif

Nom de l'attribut Type de donnée Type d'attribut +

Attributs déclarés :

Nom de l'attribut	Type d'attribut	Type de données	Transformation
Temperature	TM	Integer	Recopie
DefautCapteur	TS	Booleen	Recopie
SeuilTemperature	TR	Integer	Aucune
AlarmerTemperature	TA	Booleen	Formule personnalisée

Nom de l'attribut : AlarmerTemperature Transformation : Formule personnalisée ✓ Valeur par défaut : -

Type d'attribut : TA Type de données : Booleen

Précédent Suivant

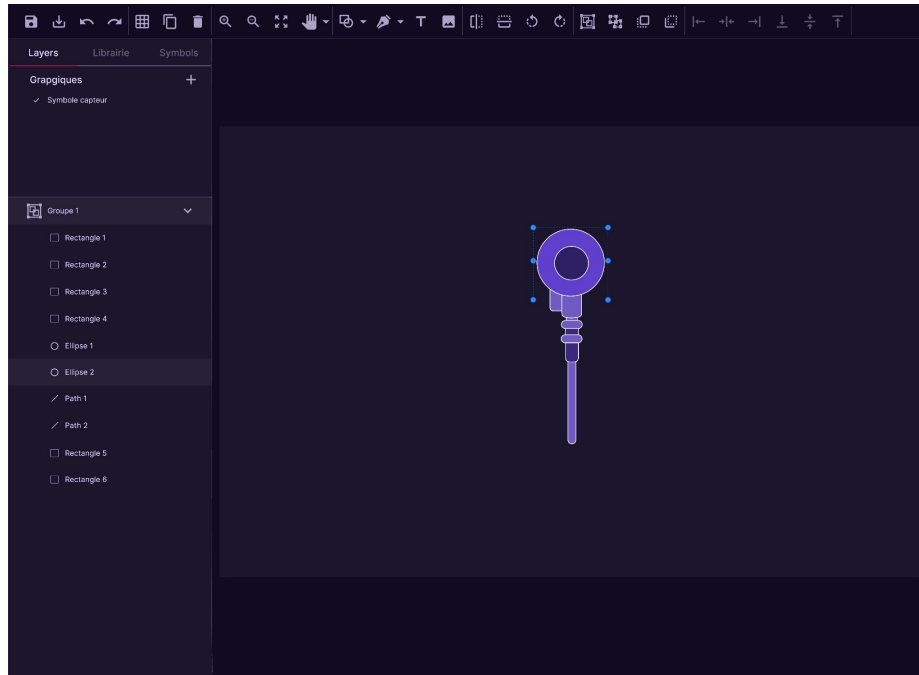
Attribute types:

- 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.

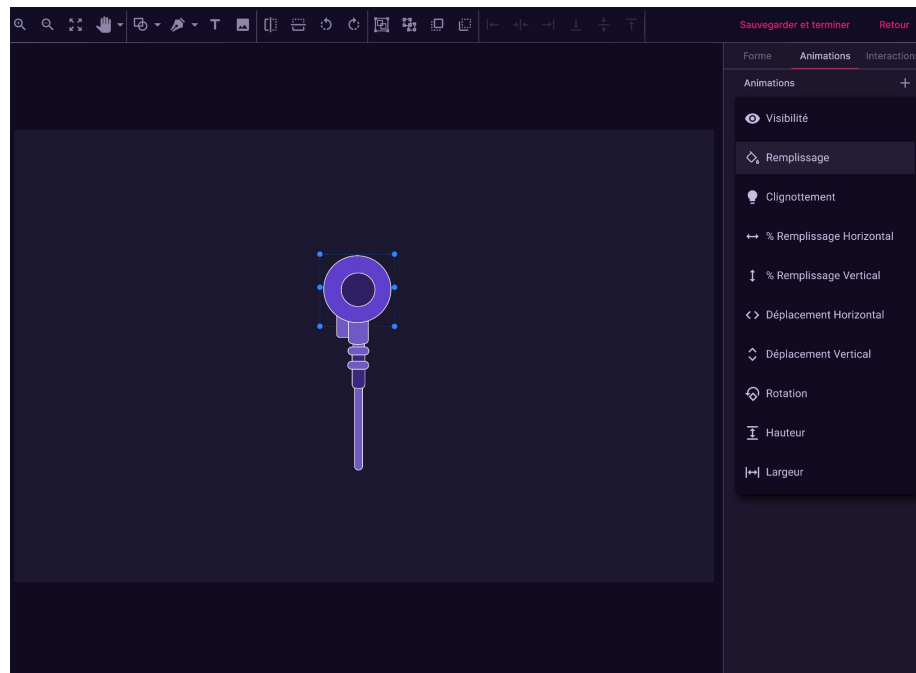


MODULE DESIGN - GRAPHIC EDITOR

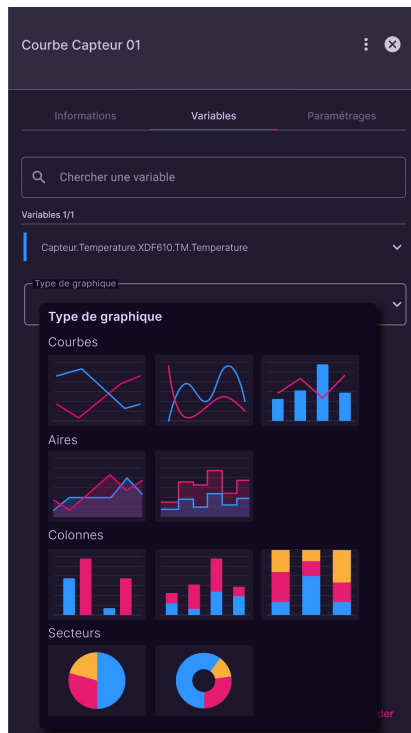
Animations

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

SCorp.io
à la carte à service

DASHBOARD
Configure les projets & équipes

- Projet
- Analyses

DESIGNER
Développer ton application

- Mes I-o
- Mes objets
- Modèles objet
- Instances objet
- Mes IHM

EXPLOITATION
Exploiter son application

- Mes dashboards

DOCUMENTATION
Tout ce que tu dois savoir sur SCorp.io

- Changelog
- Guide

Instances objet

Rechercher une instance objet + Ajouter

Icon	Labels	Modèle	Nom	Status
🔧	Capteurs	Capteur température moteur	Capteur XDFB73WFD	✓
🔧	Capteurs	Capteur température moteur	Capteur ZERFVK43D	✓
🔧	Capteurs	Capteur température moteur	Capteur XDFDYGVC	✗

Capteur XDFDYGVC

Capteur température moteur

Nom d'instance
Capteur XDFDYGVC

Modèle
Capteur de température moteur

Labels
Capteurs

Déclaration des i/o :

- Temperature
OpcUsServeur/Objects/Sensor/XDFDYGVC/Temperature ✓
- DéfautCapteur ✗

Mise à jour

Object & Instance model labels

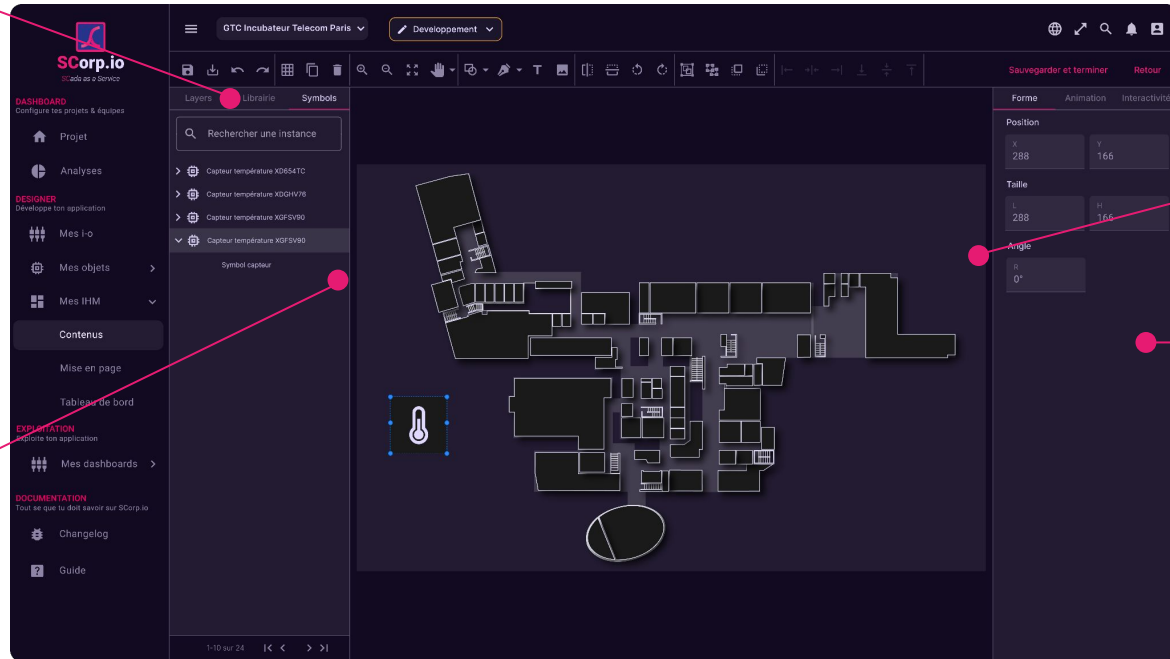
Connection to field equipment
variables



DESIGNER MODULE - HMI

Library of graphic objects

Graphics from the
Instances of object
models



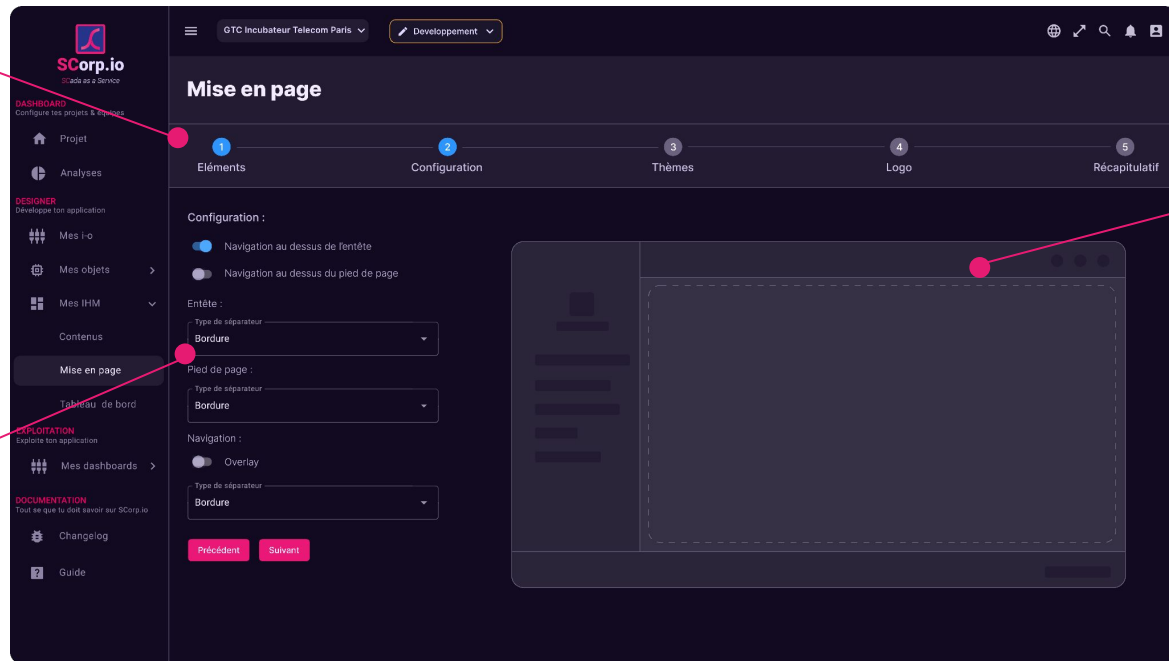
Vector HMI

Graphic forms editor



DESIGNER MODULE - LAYOUT

Step-by-step process for creating a layout



Display the result of the layout configuration

Customizable layout settings



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



Identification à deux facteurs

Un code de vérification a été envoyé à
`john.doe@scorp-io.com`



- Le code de vérification expirera dans **9:59**
- Vous n'avez pas reçu le code ? [Re-envoyer](#)

Vérifier

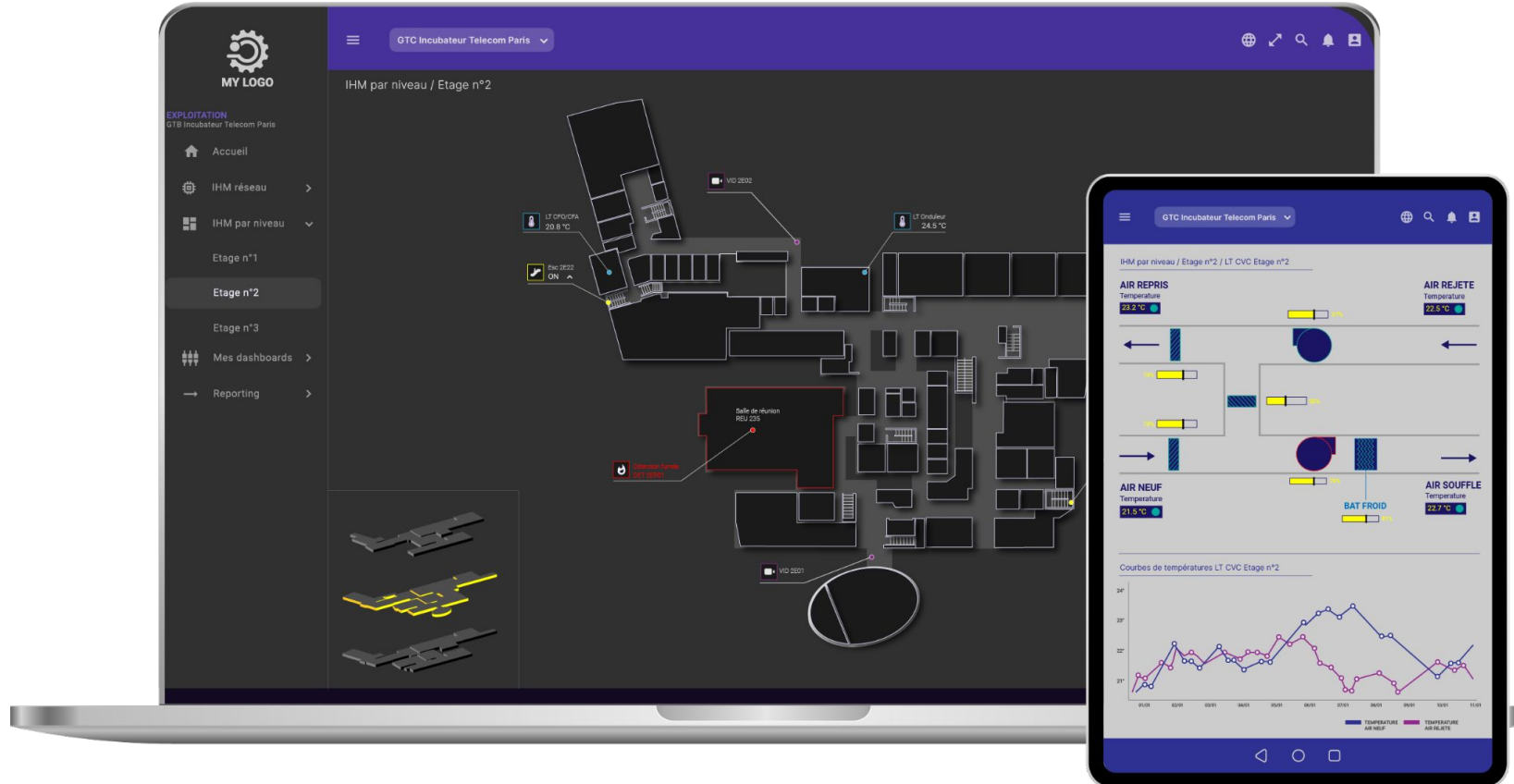
☒ Enregistrer cet appareil. [En savoir plus](#)

2FA Security

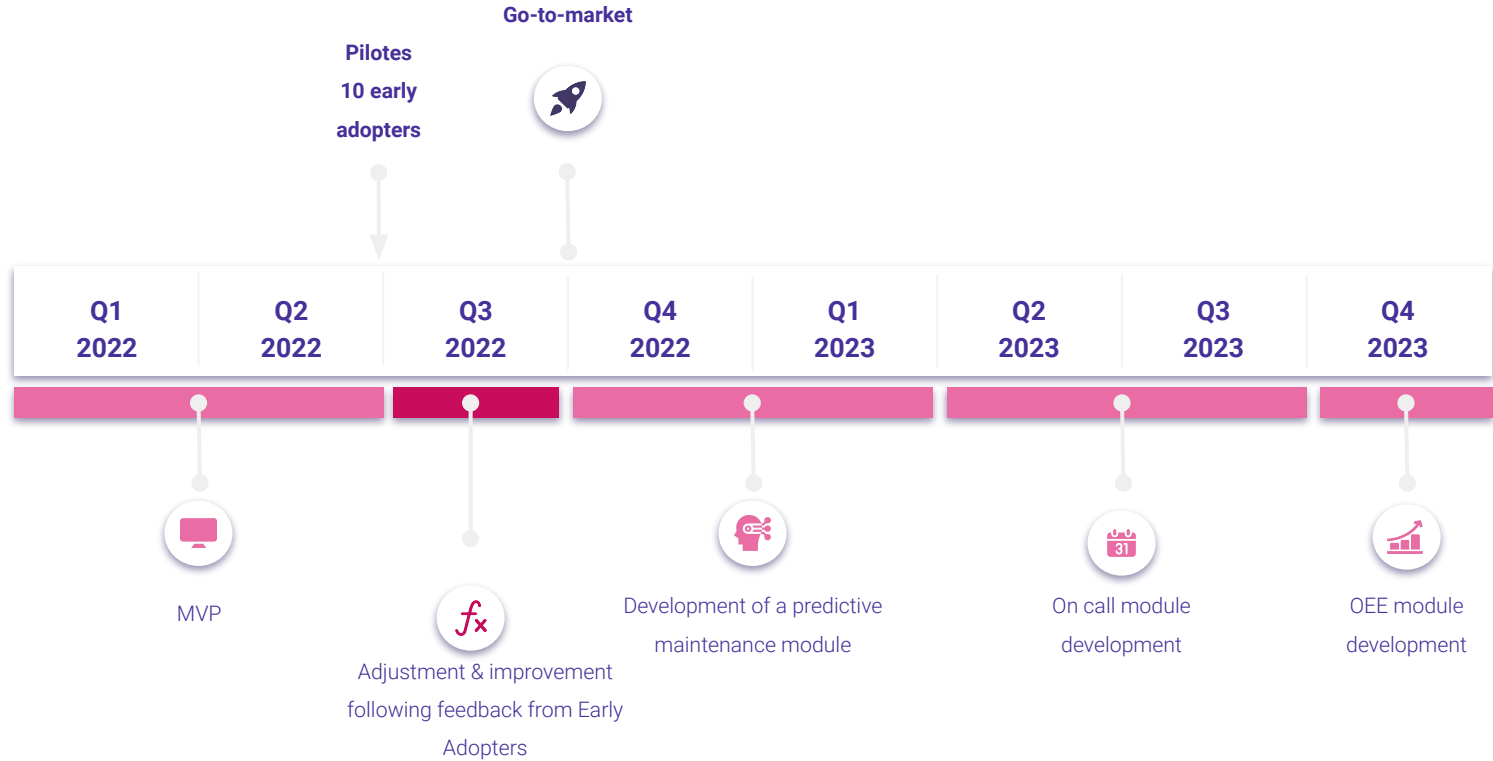
Benefit from an end-to-end secure application, from field communication protocols to authentication mode (OAuth2 & 2FA).



MODULE OPERATE - MONITORING & CONTROL



PRODUCT ROADMAP





Thanks you

Find us on our [website](#) or on our [linkedin](#) page !

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