NO-CODE IOT

Connect Objects to Mobiles & Cloud - Securely, Rapidly with No Risks

Discover…

- **Our ready-to-use IoT devices**

- **Our IoT design services**

- **Our do-it-yourself IoT solution**

What We Do

OUR READY-TO-USE IOT DEVICES

With increasing concerns about energy scarcity, adopting effective consumption management practices is crucial for any organization.

Our ready-to-use, customizable, white-label products for metering and consumption control, are innovative, secure, high-performance solutions for data acquisition and transmission. They adapt easily to your specific needs and your brand

Ask us about our products for water, gas and electricity conservation.

OUR IOT DESIGN SERVICES

Want us to design your IoT device?

We design your IoT devices rapidly to your specifications. Our experts in **cyber security**, **embedded systems**, **wireless communication**, **app design**, and **the cloud** accompany you from proofs-of-concept (PoC) to industrialization.

OUR DO-IT-YOURSELF IOT SOLUTION

Want to design your IoT device in house?

Our complete **no-code, low-code solution** overcomes technical hurdles for you. You focus on your use case and create connected devices faster with fewer risks. We provide you the **design tools**, **embedded software** and **qualified wireless hardware** that are guaranteed to deliver results.

Use these together or independently to accelerate your IoT project.

Metering & Monitoring Products

AUTOMATE METER READING WITH AQUAMETER

Aquameter - the only solution on the market to use state-of-the-art image recognition, automates meter reading and leak detection for water utilities. It reinforces resource conservation efforts that helps organizations demonstrate their commitment to today's environmental concerns.

Why Image Recognition?

- **Compatibility with all water meters**
- **Battery life up to 20 years**
- **Installation without service disruption**
- **App for easy installation, no expertise required**
- **Secure, anonymous data transmission**
- **Works with any cloud or billing platform**

NFC   LoRaWAN®   LTE-M

Image Sensor & Wireless Module

LPWAN LoRaWAN, LTE-M

MIRAHTEC

Mechanical water meter

NFC on-site connection for commissioning app
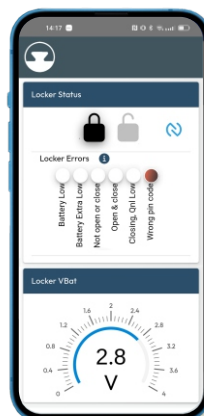
Cloud consumption, location & billing platform

Use Cases: They Chose IoTize

NFC ACCESS CONTROL

Organize bicycle parking, prevent theft, offer value-added services like reservation and rental – BikeSlot makes it possible with their easy-to-use, secure bicycle parking stations.

The stations use a **Near Field Communication app** to lock/unlock bicycles without requiring a network connection. Users simply tap their mobile to the station to launch the app which manages authorizations, verifies reservations, and even handles payments.
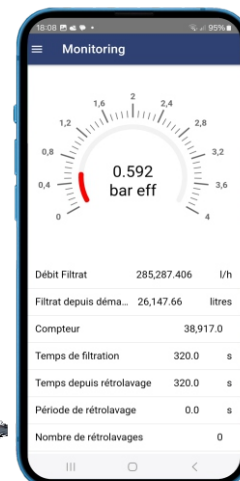
INDUSTRIAL MONITORING & CONTROL

Sediment and chemical filtering membranes to produce clean water a nothing new. However, the systems for using these materials are rarely available where they are needed most. So, Aclaira® designed systems with the **cost**, **durability and ease-of-use** required in these markets.

To reign in system costs, Aclaira® chose TapBus modules to manage filtration processes in their design. With these low-code modules, Aclaira® **eliminated expensive programmable logic controllers** and **replaced industrial displays with mobile apps**.

Their systems are now configured and maintained using an app that guides technicians through complex tasks. Plus, their products can now be monitored remotely connected to network gateways via ethernet or Wi-Fi.
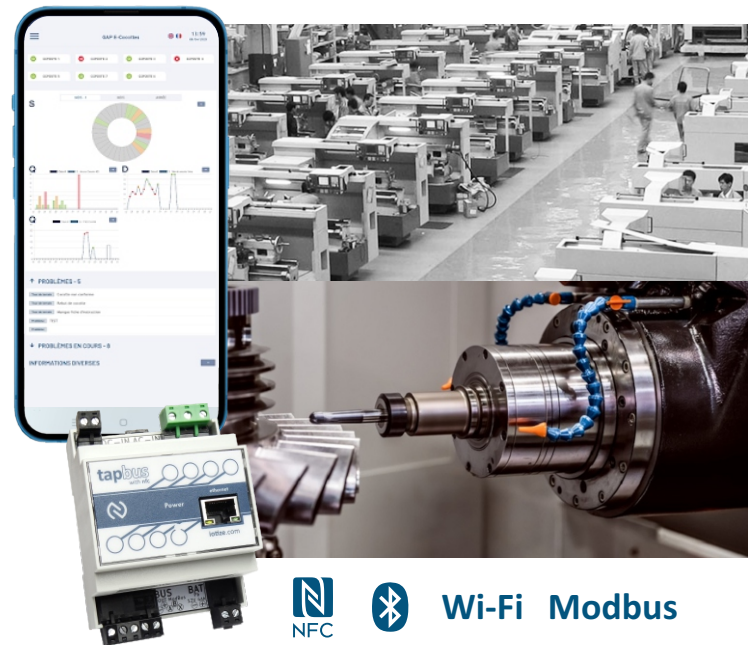
INDUSTRIAL MONITORING & CONTROL

Accessing data in machines is key to making decisions about operations and maintenance.

To do this, HLP Group chose a **custom TapBus module** scaled to provide the right inputs for their requirements. They benefit from TapBus' advanced **power management**, **wireless communication** and the **edge data processing** capabilities of its Java Virtual Machine.

These features and adaptability make it the ideal, scalable solution for data acquisition and control.
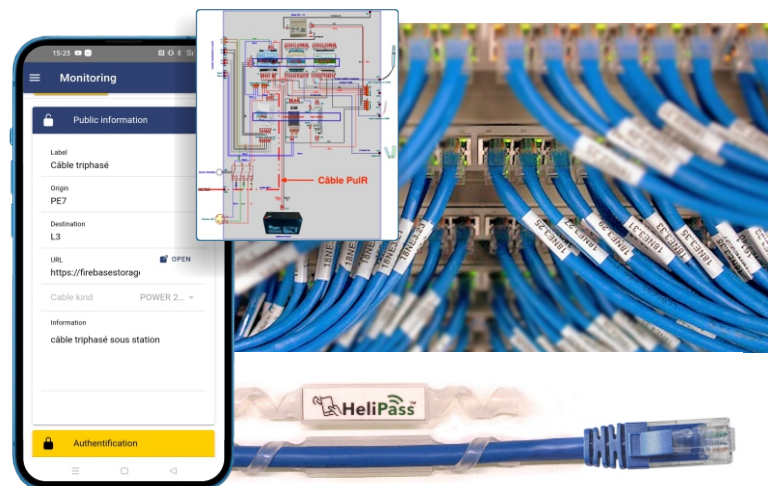
Wi-Fi Modbus

NFC DIGITAL PRODUCT PASSPORT APP

In data centers, ensuring correct cable connections is time-consuming but crucial. PulR HeliPass tags combine **NFC** and **RFID communication** to track cable information.

With our App Creator, **designing a custom app requires no expertise**. Designers drag and drop components from graphical and function libraries to build their UI and data logic. As a service, IoTize can also **enhance App Creator with custom object libraries** like the UHF functions for PulR's HeliPass tags.

Now, technicians use an app to read and update cable data, and to access complex information like routing schematics.
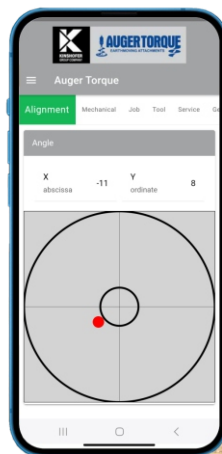
EQUIPMENT MONITORING & CONTROL

Helping operators understand job site hazards and equipment performance are crucial to construction safety and efficiency.

Prolec's safety systems for heavy equipment began using TapNLink modules when they wanted to **trial a new user interface as a mobile app**.

With TapNLink they added **NFC and Bluetooth to their electronics** with little effort and coding, then created their first app in just days.

Prolec are now field-testing their app that allows users to control machine position, monitor performance, as well as retrieving and updating job and maintenance data directly on a smartphone.
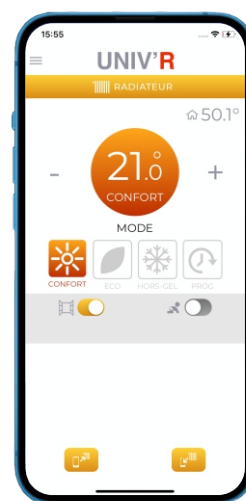
APPLIANCE CONFIGURATION & PROGRAMMING

When European directives mandated **programmable controls for electric heaters**, Cotherm discovered that fewer than 10% of owners used the features they provided because of difficulties using the controls on their appliance.

With TapNLink modules, they **added an intuitive Near Field Communication and programming app** to their products at low cost and on a very short design cycle.

These user interface apps are now emerging as the game-changer, providing a user-friendly, seamlessly integrated, and cost-effective solution for programming of a wide range of heating and home appliances.

DIY Solution to Create Your IoT Devices

Working on a new design or updating an existing system? Add connectivity and create apps rapidly and easily. **Choose just what you need to complement your design capabilities from our qualified wireless hardware, software and tools**.

OUR WIRELESS MODULES & DEVICES

Choose from our qualified wireless devices, including:

- **Embedded modules for OEM**
- **Data acquisition** & **control modules for industry**

They connect to microcontrollers in embedded designs, or to fieldbus on industrial systems, then configure in just minutes to communicate with mobiles or the cloud.
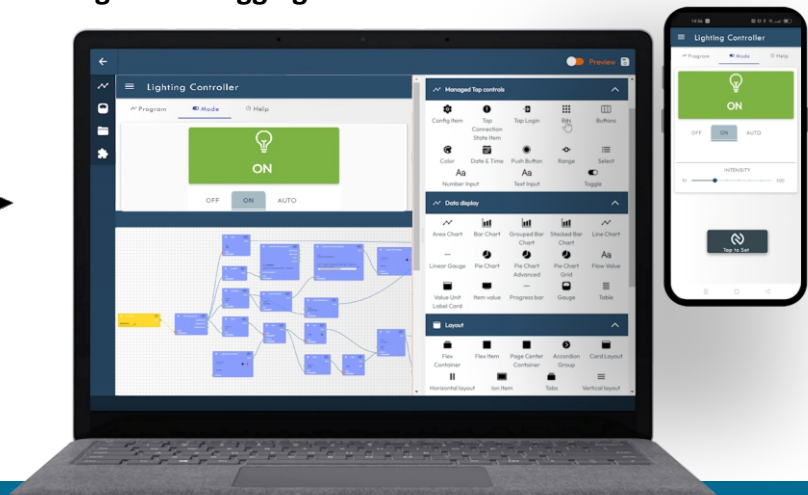
OUR EMBEDDED SOFTWARE

It pre-implements everything for **communications**, **cyber security** and **data handling** – accelerating your projects by eliminating the need for coding. For customization, its **Java Virtual Machine** allows you to add logic and adapt features with a few lines of java!

OUR NO-CODE / LOW-CODE DESIGN TOOLS

Create professional user interfaces as apps with minimum effort and no expertise. Our no-code / low-code tools speed the design of dashboards that you build into iOS, Android apps with the click of a button. Our ecosystem includes **app creator and builder**, **free hardware configuration environment**, **java coding and debugging tools**.
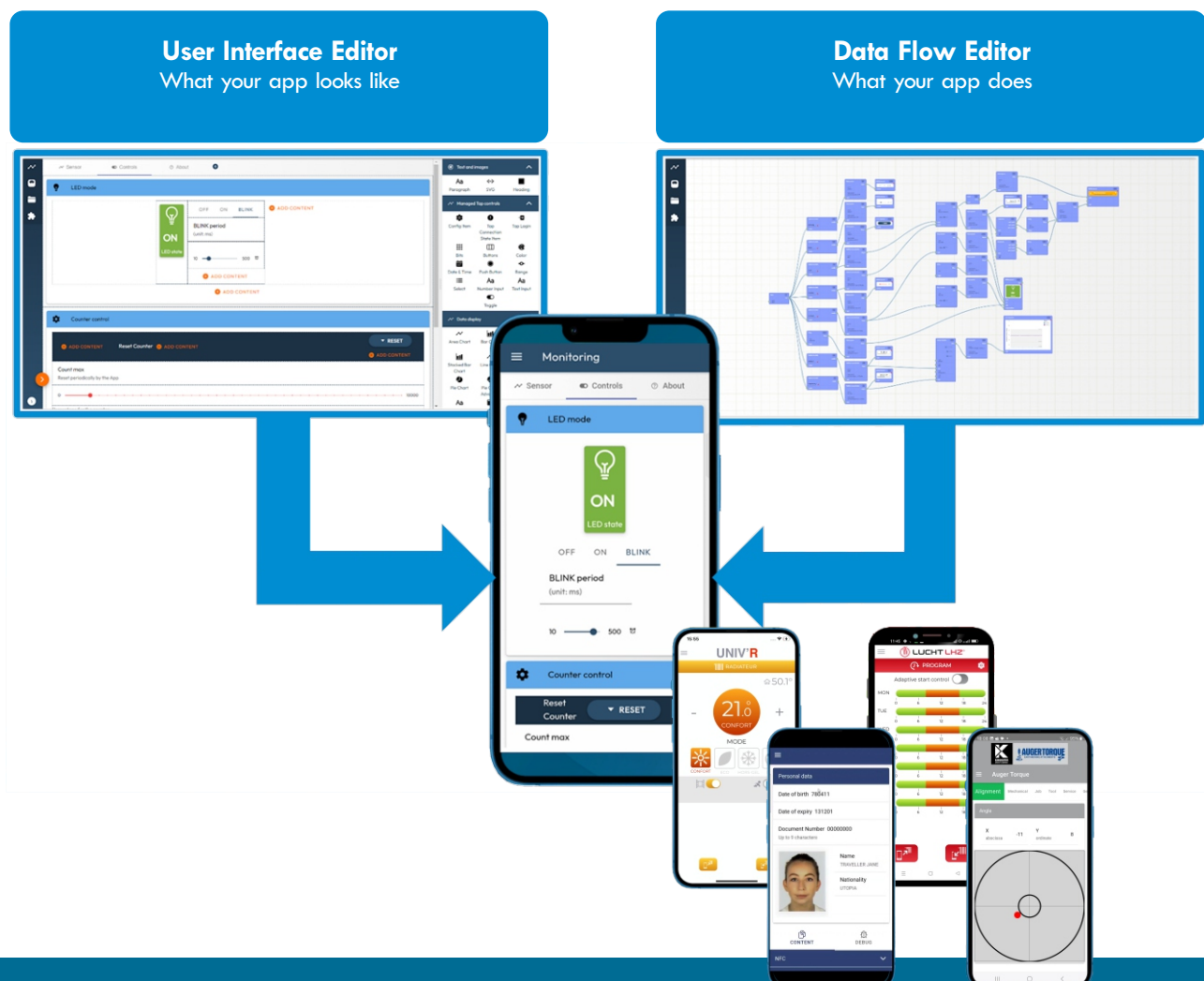
Create Mobile UI Apps for Anything

Our solution makes it easy to design rich, intuitive mobile user interfaces (UI) so that you can replace costly, built-in displays with powerful smartphone apps.

With our tools, designers can quickly build customized dashboards that run in any browser, or on any mobile as standalone apps for iOS and Android. Our tool ecosystem supports your rapid UI app design with:

- **Drag-and-drop, WYSIWYG UI design environment**
- **Libraries of graphical display** & **control components**
- **UTF-8 support** & **multilingual interface manager**
- **Advanced data flow logic control**
- **Built-in app project generator** & **builder**

Need to go further? Add your own components as plug-ins, or libraries to tailor your apps to your product, market or industry.
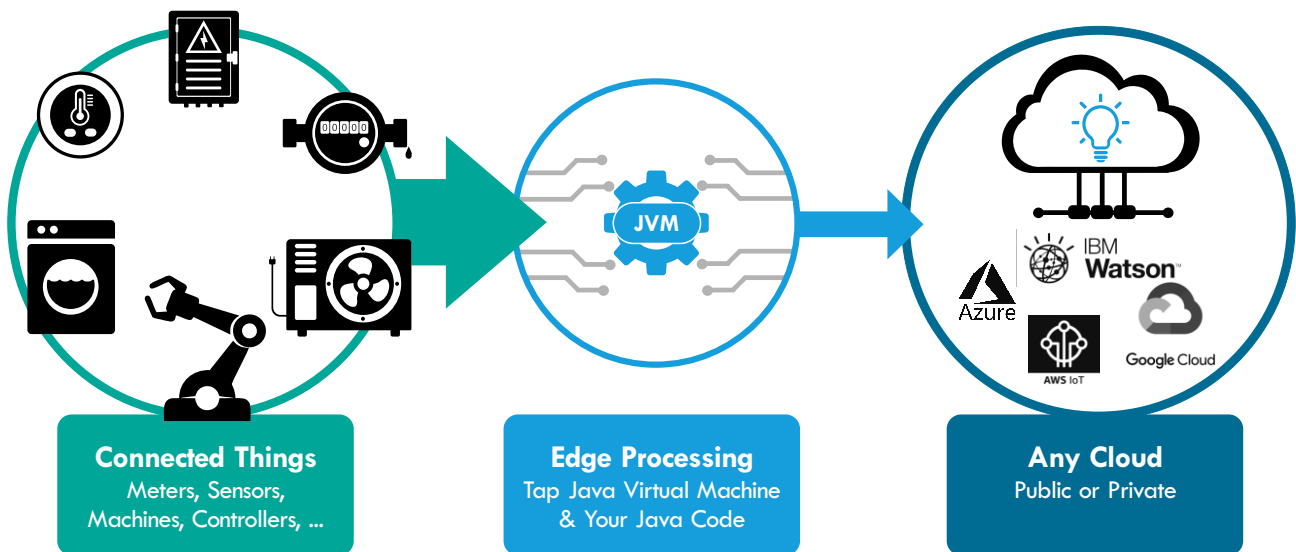
With our app creator, your mobile interface practically builds itself!

User Interface Editor	Data Flow Editor
What your app looks like	What your app does

Edge Computing

The Power of AI & Machine Learning with Embedded Java

Enhance any IoT device with powerful edge intelligence. Our embedded Java Virtual Machine works seamlessly with the feature of our embedded software (cyber security, communications, data handling) to enable advanced data logic, real-time control of other devices and communication with any cloud.

Connected Things
Meters, Sensors,
Machines, Controllers, ...

Edge Processing
Tap Java Virtual Machine
& Your Java Code

Any Cloud
Public or Private

With minimal coding and effort, add the intelligence for:

- **Data filtering & aggregation**
- **Real-time decision making & device control**
- **Data caching, formatting & delivery optimization**
- **Load balancing & bandwidth management**
- **Firmware updates**
- **And more...**

With our solution, a little code goes a long way to make your IoT device smarter, respond faster and adapt more easily so that you can unlock the full potential of the IoT.

Schneider Electric

Air Liquide

MIRAHTEC.

Cotherm

RioTinto

DASKO

ineo·sense
BRINGING SENSE TO WIRELESS

KINSHOFER GROUP COMPANY

PROLEC
SIMPLY SAFER

BIKESLOT

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