

# CONNECTING THE DOTS

IoT will rapidly increase operational efficiencies, improve customer satisfaction, assure compliance and capture new revenue streams.

Design your own application in Avison and transfer your IoT ideas into reality in just a few mouse clicks with our codeless IoT platform

**DO NOT MISS ANY IOT OPPORTUNITY ANYMORE**

Start with AVISION & Do IoT yourself in one day:

**Asset management**

**Device management**

**Maintenance management**





## THINGS CHANGE

And if there's any universal truth about the Internet of Things, it may well be just that. While you may have a clear vision on how your business should employ IoT today, there's a fair chance that you will adapt as you move forward and discover new opportunities.

Having a platform at your disposal that allows you to explore your ideas and scale your business is a vital element of your IoT strategy. And if all this can be done incrementally with little development effort, and without any disruption of your ongoing business activities, you have paved the way for future innovation and growth.

Avison delivers all the bells and whistles that you expect from an IoT platform, from visualization to reporting, and from reliable scalability to state of the art security. What makes Avison unique in its kind is the codeless design flexibility and the smooth deployment of newly designed ideas to the real world of an already live IoT solution. Your customers, the end users of the Avison based IoT solution, will always experience reliability and robustness as the hallmark of your IoT enabled business.

## ASSET MANAGEMENT

Create your own dashboards, Generate reports  
Distribute alarms & notifications and share all the data on desktop, phone, tablet or by API.

## DESIGN YOUR OWN APPLICATION

Screens can easily be created in a drag and drop development environment. Elements like Graphs, tables, controls or maps can be used. Screens can serve as advanced dashboards, overview screens with KPIs or benchmarks. With the help of regression and extrapolation, advanced maintenance predictions can be used. Self designed automatic Reports can be scheduled and distributed to stakeholders. All kinds of standard modules are available, e.g. for alarm overviews, alarm management and data reviewing.



DASHBOARD



PERFORMANCE INDICATORS



FORECAST



EVENT PROCESSING



BENCHMARKING



REPORTING

## NODES OF KNOWLEDGE

The Internet of Things is about connecting the dots, and in Avison these dots are called nodes. A node can be anything that conceptually exists in the real world of your IoT solution, from a geographical region to a physical elevator, and from a service department to the equipment for which they are responsible.

Interconnecting and structuring nodes in Avison is how you make sure that the knowledge is produced where the information is acquired. There are virtually no limits in modeling your IoT solution with nodes after the day to day activities of your business. The unique Avison nodes philosophy gently encourages you to consider how your business would best benefit from using IoT.

Years of experience with building IoT devices, data connectivity and network communication have materialized in one of the most versatile and robust device management technologies available today. The Avison platform even makes it possible to completely define and design the edge computing intelligence of a device and deploy it automatically.



## DEVICE MANAGEMENT

Manage your sensor and devices in a very easy way. Keep the devices up to date and program and configure the devices over the air. For over 20 years this also applies to our reliable, true plug and play low power hardware solutions.

## EASY ACCESS TO YOUR DEVICES

Avison offers an integrated, easy to use environment in which the IoT devices can be added, managed and maintained. Through the hardware dashboard you get detailed insight into the functioning and behavior of the IoT devices as well as their connected sensors. Devices can be programmed (edge computing) via your dashboard, parameterized and even provided with new firmware. The management of small numbers to thousands of devices is easily possible with device management from Avison.



SENSOR



HARDWARE



CONFIGURATION



MONITORING



IMPLEMENTATION



SYNCHRONIZATION



## CONVEY MAINTENANCE INFORMATION THAT'S VALUABLE

Automated tasks and workflows are what keeps the engine of your IoT solution humming. Triggered by schedulers or events, the Avison automation processes smoothly run the business logic of your IoT solution that you have designed the way you seem fit. Whatever you invent and create in Avison, will work reliably in your daily business operations, from reporting to following up on generated alarms. With Avison, your IoT solution will never skip a beat and always stay in tune with things happening in the real world.

Proper user management can be pretty cumbersome and overwhelming, but Avison solves this in a very elegant and adequate way. By defining role types and granting access with keys, who is allowed or supposed to do what is controlled in a very straightforward and diligent fashion. The Avison design environment lets you design the policies you need with the familiar codeless simplicity. Avison's node based architecture provides a natural structure for assigning users to sections at any level of the IoT solution in a way that intuitively makes sense. Users can be grouped or categorized for even more granule access to the operational IoT solution. The flexible and comprehensive user management features that are built into Avison make keeping checks and balances a breeze.

### MAINTENANCE MANAGEMENT

Create your own forms and inspection workflows. Distribute tasks and share the results on desktop phone or tablet and integrate with other systems.

### DESIGN YOUR OWN WORKFLOW

With Avison it is possible to create your own inspection and maintenance forms. Forms may include (pull down) input fields, check boxes and signature fields. Do you want to upload additional documents or photos? No problem, It's easy. Tasks can be defined and merged into workflows. Workflows can be started manually, scheduled or via an event. With the help of inspections, maintenance can be optimized. Inspection can guarantee compliance with laws and regulations. After completed workflows, automatic reports can be generated and distributed to the stakeholders. The yearly development of your data can be easily reviewed and used for predictive purposes.



WORKFLOW



RESOURCE ALLOCATION



LAW AND REGULATION



PREDICTIVE MODELING



REPORTING



SHARING INFO

## CODELESS CREATIVITY

Avision is founded on the premise that building IoT solutions can be done without ever having to write a single line of code, while at the same time offering you complete creative freedom. Whatever you envision, you can make in the Avision design environment yourself, simply by composing and configuring the functionality that you need. The Avision platform will automatically implement the logic behind your ideas.

As an intrinsic aspect of IoT, new insights will lead you to new opportunities, and Avision's platform is created to facilitate just that. The distinction between a 'Live' and 'Design' environment ensures that you are able to build new functionality while the tested and tried versions of your application continue to run undisturbed. Before a new version can even be activated, the extensive integrity verification features of Avision ensures that what is built and released will actually work reliably in practice.

Rolling out a new version of your IoT solution in Avision only takes the click of a button. Using Avision, you will never be limited in how new ideas convert into new functionality. And since you are the one who can build all this yourself, the investment for letting IoT grow with your business is only the time spent on being creative.



## HOW AVISION MAKES IoT SIMPLE...

- **Codeless creativity** > building IoT solutions in Avision is done by configuration, without ever having to write a single line of code.
- **Elegant visualization** > any information that you want to convey is presented exactly the way you want in Avision.
- **Seamless IoT device integration** > field-installed IoT devices are managed and connected directly in Avision.
- **Versatile alarming** > Avision delivers a multitude of triggers that can set off timely notifications of critical events.
- **Streamlined automation** > all your business processes can be defined and automatically operated from within Avision.
- **Well-balanced user engagement** > managing users and their access rights in Avision is straightforward without concessions.
- **Independent ownership** > thanks to Avision's codeless design principle, new functionality can easily be built by your own organization.
- **Always on track** > new ideas can be tried, implemented, tested and as you learn and move along, without any disruptions.



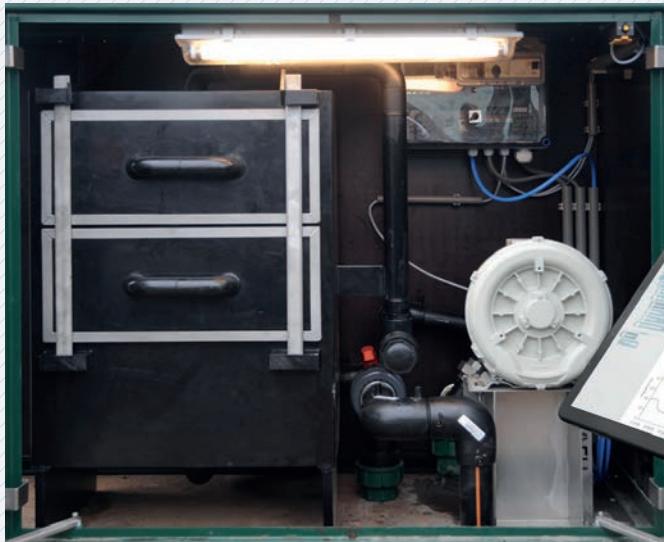
#### SUPPLY CHAIN OPTIMIZATION

Continuous insight into consumption and an up-to-date overview of your stocks. Whether it is a silo, gas tank, complex pump installation or vending machine



#### MAINTENANCE OPTIMIZATION

Condition and use-dependent maintenance instead of periodic maintenance. So your scarce resources can be used more efficiently.



#### ALWAYS IN CONTROL

With Avison you have complete control over your systems all over the world. The automatic reporting and notification ensures that you are quickly informed about possible deviations.



#### ENSURE COMPLIANCE

Automatic registration of the correct functioning of your systems including the possibility to intervene in the event of disruptions



Functions and program options can be made user dependent. This makes Avison the tool for every employee in which a maximum return is achieved with a short apprenticeship. Do you want to build your application yourself? With one push of a button you enter the Avison design environment where you can convert your ideas to your own IoT application without writing software code. If you want a custom-made application but you don't want to build it yourself, no problem, Avic and its partners are always ready to build your application for you or to support you.



With more than 20 years of IoT experience and serving almost every industry with our hard and software we love to help you as well!

Call us for a free trial or demonstration

## WHY WE CREATED AVISION

Our mission is to make IoT simple, In everything we do, this principle guides and leads us.

As such, Avision was created to make building, running and maintaining IoT solutions as simple as possible.

IoT made simple.



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