

# VIVAVIS

DECODING THE FUTURE



ASSET MANAGEMENT

## Assets in a Changing World

Digitization means big changes in all areas – including the life cycle and working with plants, devices and resources. Technically complex assets must be operated and maintained in an economical manner. The assets of the future are constantly and consistently connected to each other and all systems and components via the **Internet of Things (IoT)**, thereby enabling the intelligent networking and interconnection of data and information.

The big challenge is to efficiently use these huge quantities of live data in order to ensure the highest possible degree of security and cost-effectiveness. In addition, internal and external regulations, guidelines, standards and requirements must be observed, too.

As a basis for digitized asset management, information from various sources, sensors and meters must be automatically recorded, structured, interpreted and provided to users or other systems by means of an asset management system. This requires a modern software and hardware that can be flexibly designed and expanded. Asset management becomes all the more efficient when all components are properly coordinated and communicate with one another.

**VIVAVIS** meets all of the above requirements. The **DECODING IoT solutions** from **VIVAVIS** decode complex processes, translating them into **intuitive applications for tomorrow's intelligent operations and system control**.

## Challenges in Asset Management

Digitization Chances

Mastering Complexity

Security of Supply

Supply Quality

Economic Efficiency

Regulatory Requirements

Legal Security

Standardization of Processes

Certification

Single Point of Data

Big Data

Process Integration

Predictive Maintenance

Error Prevention

Optimization of Resources

Documentation

Definition of Key Figures

Decisions on Investment

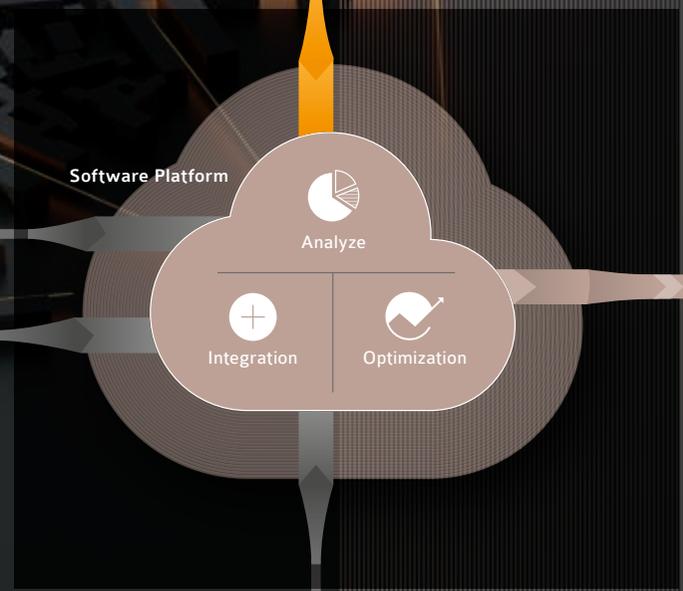
Evaluation & Reporting

VIVAVIS  
Asset Management

# BASIS

# ANALYSIS

# OPTIMIZATION

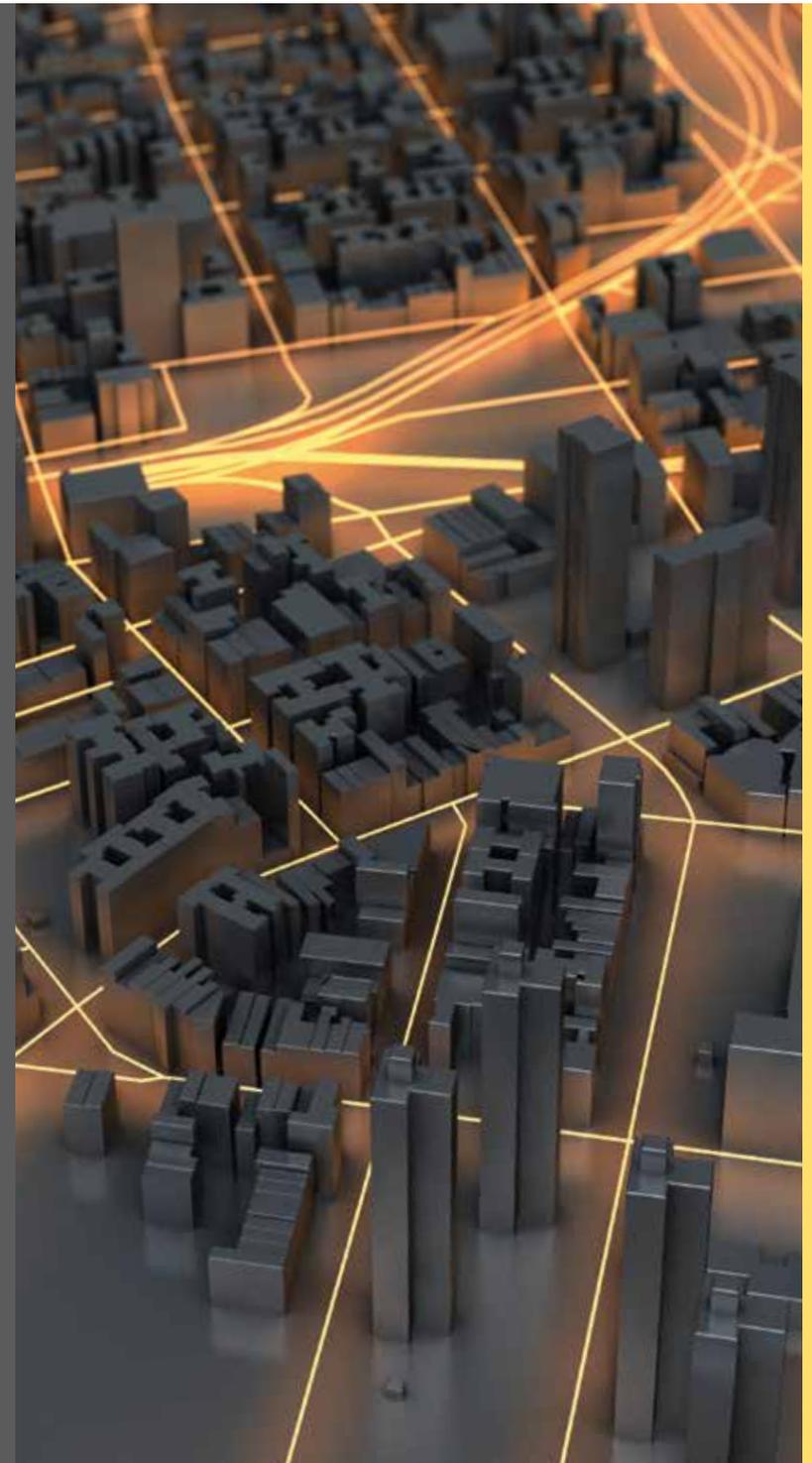


## VIVAVIS CAN

**VIVAVIS** combines our competencies and our portfolio around infrastructures and infrastructure-related IoT topics. We develop solutions that decode complex processes, translating them into intuitive applications: „**DECODING**“. Intelligent asset and system management requires comprehensive, data-driven **DECODING IoT solutions** which can be easily and quickly adapted and expanded – both efficiently and effectively.

What makes **VIVAVIS** special for you is that everything comes from a single source. A common and comprehensive modular system provides full modularity and interoperability. With **VIVAVIS**, you can create tailor-made concepts, starting with the design of a business model through to its implementation. Existing assets and their associated information can be easily integrated, thereby enabling accurate mapping of business models. The complete digital solution **VIVAVIS** reduces complexity while offering maximum flexibility.

**VIVAVIS** is your partner – starting with a concept of the system through to the required field and system technology to modular overall solutions. Anything goes, but nothing is compulsory! You only use what you really need.



## VIVAVIS OFFERS

1

### Library for Asset Management

An asset library simplifies inclusion of your assets into the **ACOS NMS** asset management system, especially if we are dealing with highly complex assets. Amongst others, the library offers component information from the manufacturers. Further information can be integrated and linked with additional values, for instance sensors, documents or plans, thereby saving a considerable amount of time when capturing data.

2

### 3D- and Geo-Navigation

**ACOS NMS REAL** enables you to take a tour of inspection in 3D and view all assets with their relevant information. It also visualizes linked measured values from sensors and measuring systems.

In **ACOS NMS GEO**, you can view geoinformation from your GIS on a map or in a list, depending on your requirements, so you always know where to find a given asset and how to get there. Furthermore, NFC tags enable you to determine every asset without ambiguities.

### 3 Single Point of Data

With **VIVAVIS**, all information about your assets is available in a central database, i.e. in a "Single Point of Data". This prevents unnecessary data redundancies and saves time and money. A clearly-structured dashboard presents you all the relevant information at a glance. This transparent structure enables you to determine the optimum time for replacement investments and to make decisions quickly, efficiently and economically.

### 4 Intelligent Maintenance

You can make efficient and intelligent use of the enormous daily data volume using advanced analytics methods. This enables the optimization of maintenance works and the planning of short- and medium term measures, thereby increasing efficiency and saving time and money. Information such as usage intensity, age and other features is used for predictive maintenance strategies, which allows you to decide exactly when maintenance of a given asset is needed. For this purpose, orders are created automatically and forwarded to the respective employees.

### 5 Outage Management prior to Faults

You can view the status of your assets at any time by means of the connected sensors and actuators. Sensors, for instance, record temperature profiles of assets, warning the operator of imminent overheating. Alarms received in the SCADA system are also recorded by **ACOS NMS** as faults. Following this, an automated order is generated for technical staff (also directly on the mobile terminal), thereby enabling troubleshooting even before a fault or outage.

### 6 Mobile First

„Mobile first“ is a key element of asset management. The necessary knowledge is available to your staff on their mobile terminals at any time, any place and in its most up-to-date form, thereby enabling them to carry out their tasks efficiently. The link to geo information helps with navigation. Any changes, measures and images can be directly added on site, and everything is documented immediately and accurately to ensure compliance with the legal obligation to provide proof.



## WE ARE VIVAVIS

As pioneers, we shape the future of digital infrastructures, driving digitization forward and helping to master Big Data. Our technologies and services enable customers to open up new and sustainable areas of business.

### **Our unique expertise and our comprehensive service are:**

#### **Sustainable**

In total, we can rely on a total of 150 years of know-how from our partners in IDS Group

We are proud of our long-standing partnerships with clients from a variety of different sectors: energy suppliers, industry, housing and municipal companies

#### **Integrated Concepts**

Hardware and software plus service and support – all from one source

#### **Future-Proof**

Interoperable, modular and scalable

Cloud and mobile first

Advanced Analytics-ready

**VIVAVIS** is a registered trademark of

IDS-Gruppe Holding GmbH  
Nobelstraße 18  
76275 Ettlingen

T 07243/218 250  
E [info@vivavis.com](mailto:info@vivavis.com)  
[www.vivavis.com](http://www.vivavis.com)