



DATA BECOMES INFORMATION FOR THE DEMANDS OF TOMORROW

HISTORIAN, ANALYSIS, REPORTS, MACHINE LEARNING



NEW!
VERSION
10

- Cross-plant process analysis and data historization
- Document-based evaluation with new report designer
- Open interfaces and native connections to HMI/SCADA, OT security and control systems
- Highest data security through redundancy and three-level cache
- Easy to use - robust architecture
- OT security report (threat level, system statuses)

VIDEC.



ACRON - THE LIFEBLOOD OF YOUR PLANT

The Challenge

Data is the lifeblood of every automated plant. It forms the basis for all logging, analysis and proof of quality. Every evaluation in the company requires reliable and valid data in order to make decisions for the future.

Data is fundamental to optimizing operational processes and increasing the productivity, quality, safety and profitability of plants and companies. Reliable and seamless data collection is the key to all business activities and is therefore crucial for success and further growth.

It is also a supplier of relevant and pre-processed data for future artificial intelligence (AI) and machine learning (ML) tasks.



Your Aspiration

- Do you want to keep an eye on the efficiency and operational safety of your plants at all times?
- Do you need fast, clear and comprehensive data access with effective analysis and evaluation functions?
- Do you also want to monitor processes online, identify weak points or potential savings and make your operational processes more reliable and economical?

This requires a system that reliably and securely compiles, consolidates, aggregates and processes your plant data; a system that offers you comprehensive display options with a high level of user-friendliness and thus ensures that your processes can be analyzed quickly and effectively.

BUNDLED INFORMATION - THE BASIS FOR EFFICIENCY AND SUCCESS



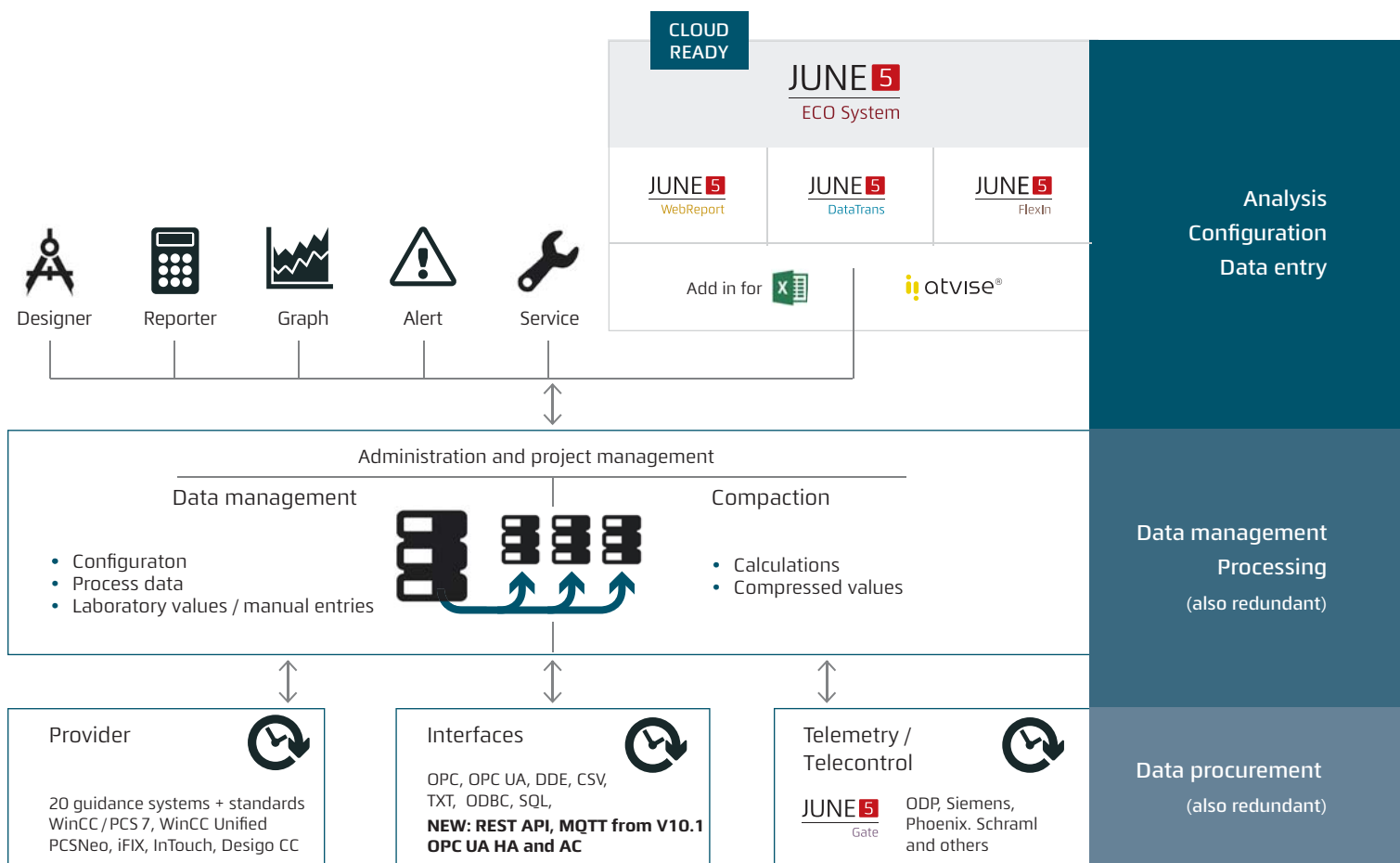
The Solution: ACRON

With ACRON, you can efficiently bring together all the data and information from your systems and thus form the basis for well-founded evaluation and analysis processes. The extensive range of functions enables you to analyze and optimize your plants and operational processes precisely, reliably and accurately.

ACRON is characterized by intuitive handling, flexibility and fast project planning. The client-server architecture, high data and operational security and scalability are further advantages. It also offers

extremely high availability at a good price-performance ratio. In combination with its universal concept, ACRON can therefore be used as a manufacturer-neutral product in almost all industries.

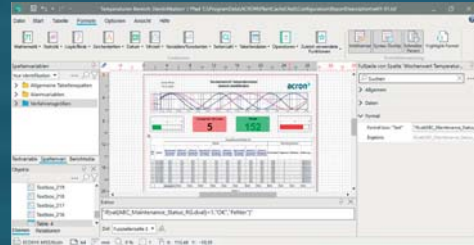
ACRON was developed on the basis of continuous discussions with users. In its design, performance and range of functions, the system combines the practical experience gained from constant further development. This strategy will continue to be implemented in the product.



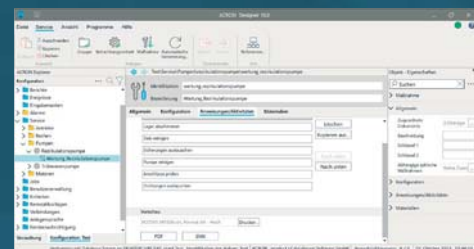
INDUSTRY APPLICATIONS IN ALMOST ALL INDUSTRIAL SECTORS

There is hardly any other Historian product that meets as many norms and standards in the industry as ACRON - not least because of this, there is a wide range of possible applications in many companies. In addition, it is possible to work with a central database and centrally evaluate data from different departments. Thanks to its high level of flexibility, ACRON ensures that individual layouts can also be quickly and easily linked to process values.

ACRON is used successfully in almost all industries - here is a brief overview.



Report designer: Simple design of even sophisticated reports



ACRON SI: Carry out maintenance measures based on system data

Machine Learning (ML) / Artificial Intelligence (AI)

ACRON stores all read-in raw values in a long-term archive. From this, data with different aggregation levels can be generated via continuous calculation - and corrected results can be made available for further analysis using substitute value strategies. This makes production data usable for ML and AI applications and leads to new insights. The integrated API gives the user convenient access to all data.

A separate ML module already provides more advanced functions. We would be happy to talk to you about it.

Water-Wastewater / Environment

It is in this market segment that ACRON is most strongly represented. Our expertise has been reflected in the structure of the product for some 25 years. With a market share of over 80% (wastewater treatment plants) in this sector, we service small-scale plants through to the largest applications. Whether it is the water supply in the German capital, Berlin, or at the sewage treatment plant in the Austrian capital, Vienna - ACRON fulfils the requirements of the industry. Large regional associations such as the OÖWW in northwest Germany are also among our customers.

Waste Disposal / Incineration

About 15 years ago, we delivered our first ACRON license to a waste incineration plant. A direct connection to PCS 7 was our ticket. We installed our communication module on the fly, set up the complete database and created a sample application within 2 hours. This was the prelude to many installations in combination with waste incineration.

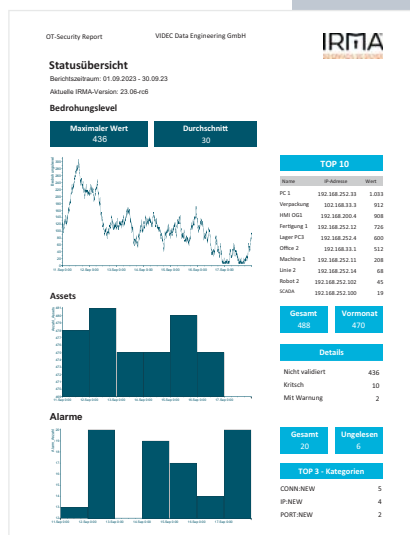
Landfills / Exhaust Air Energy Sector

Some customers you don't even get to see. Many landfills have purchased the ACRON directly and acquired the know-how through online training. The application is expanded independently and the reports are adapted to current requirements. The flexibility and user-friendliness of ACRON makes it possible.

Power Generation / Power Distribution

Whether biogas plant, hydroelectric power plant or other power plant sectors: ACRON is an excellent fit for these segments. When it comes to applications, we often learn from our customers what the specific requirements of the industry actually are. It is often our task to reflect these requirements in the product.

Threat level and plant statuses in the OT Security report



Energy data management / ISO 50001

Energy data management has long been an issue in the industrial environment. ACRON received a certificate early on when ISO 50001 was published and is still a listed product today. ACRON applications are often operated in an industrial environment while the product is running in other areas of the company at the same time. This creates enormous synergy effects.

ACRON Allows You to

- aggregate, save and archive data across all plants
- carry out extensive evaluations and analyses
- create meaningful reports using the new report designer
- optimize processes and increase productivity
- create added value for the company through new technologies (AI and ML)

The Benefits for You

- Multiserver / multiclient concept with high performance and very short response times
- Time and / or change-oriented recording with time resolution in the millisecond range
- High-performance computing operations with large amounts of data
- Maximum security thanks to three-level cache and redundant database with data backup
- High data security thanks to fail-safe connections (providers) and robust architecture
- Fine-grained user administration
- Simple operation for system personnel
- Structured representation of the system in the directory tree
- Wide range of communication options thanks to interfaces (including import/export)
- Quick amortization due to excellent price-performance ratio and cost reduction for maintenance and servicing
- Direct connection to various SCADA and control systems
- Necessary functions for different industries with audit trail (e.g. DIN ISO 50001, 21 CFR part 11, ATV M260, A216, TA Abfall, EKVO etc. ...)
- Different language versions (unicode-based) predestined for international use
- Convenient web front end with many additional functions
- Optimal database for machine learning (ML) and artificial intelligence (AI)
- Integration of additional OT security information (threat level, system access, etc.)



INDUSTRY APPLICATIONS IN ALMOST ALL INDUSTRIAL SECTORS

Pharma with 21 CFR part 11 / Chemistry

Some of the most challenging projects we have implemented lie in the pharmaceutical sector. Drug production in the 21 CFR part 11 environment with comparability of several plants abroad is one such example. Together with our integrators, we implement the project according to the client's requirements and provide support as well as software updates.

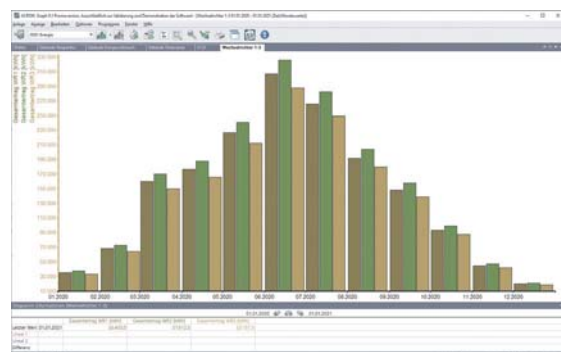
Food and Beverages

Traceability in the manufacturing environment in conjunction with energy data and machine running times are frequently used parameters. Produced quantities and temperatures maintained in the cold chain complete the portfolio.



Tunnel technology / Cavern construction / Pipelines

Almost all sectors are different. However, the requirements of these sectors have broad overlaps. The majority of caverns operated in Germany are equipped with ACRON. Data recording over long periods of time, continuous processes and a convenient reporting system are the main requirements. Standardized reports for different process connections and control systems help users to view the systems in an equally standardized way.



Oil / Gas / Petrochemistry

The path from cavern construction and pipeline operation to the processing industry is not far. ACRON is frequently used at the interfaces and is also evident in the quite large applications in these industries. No problem.



In combination with the JUNE5 ECO system

Mechanical Engineering

Mechanical engineering is all about quantities and the ability to operate remotely. We have developed an OEM concept especially for this industry that makes the use of small to large applications extremely attractive.

Automotive / Building Automation

These applications usually have large amounts of data and often the requirement to save energy. Both topics are easy to implement, even when a large number of data sources are involved from which the information has to be read.



CONNECTIONS (EXCERPT)

Siemens (Premium Partner):
WinCC / PCS 7, TIA Portal, WinCC
Unified, PCSNeo, Sicam 230, Power CC
Sitrans MAG 8000 flow meter,
DesigoCC
GE: Proficy iFIX, Cimplicity
Bachmann Visutec: atvise® web HMI
AVEVA: InTouch
Copadata: ZenOn
Axeda: Wizcon Gossen Metrawat – ECS
ABB – Sattgraph
Universal OPC DA/AE/HDA
Universal OPC UA
OPC UA Server HA / AC
Universal ODBC
Universal file import CSV / TXT / XML /
RestAPI
MQTT (from version 10.1)

CONVERSION TOOLS FOR

OSI PI, CAS-Server, Industrial SQL
Process Historian

ACRON SERVICE CONTRACTS

Update Service ACRONsecure

This gives you preferential support and an uninterrupted update service at a fair price. You can find further information on our website at www.videc.de.

ACRON Partner Programs

We offer our system partners / system integrators the following partner agreements:

- ACRON Solution Provider
- ACRON Premium Partner

Please contact our contract processing department for the general conditions for a partnership.

You can find more information about ACRON on our website: www.videc.de

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Please refer to our website for branch offices and international representatives.

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