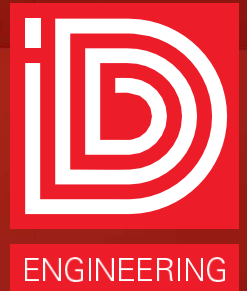




PACS.
THE WORLD'S LEADING ACCESS STANDARD.





Reliability



Security



Flexibility

The highly stable access system for highly sensitive environments: PACS.

Perhaps this is one of the most fundamental changes of our time: decision-makers and managers responsible for maximum security-relevant environments such as airports or major events are under more pressure than ever to ensure absolute security while simultaneously ensuring smooth logistics.

This can only succeed if the underlying software systems are highly stable and reliable, simple to use and maximally scalable and flexible.

As a specialist for personalized ID card and authorization management, iD Engineering stands for a software philosophy that has established itself as the leading world standard in authorization management for a decade.

As a highly efficient multi-platform system, PACS links all access, employee and card-related systems such as "Access", "Parking", "Catering" etc. At the same time, PACS offers the possibility of client and organization level separation as well as a highly stable, Linux-based software architecture: extremely fail-safe, decently structured and highly modular.



Goal and result are congruent: with minimal use of resources in the shortest possible time.

PACS can be adapted exactly to requirements via highly individual parameterization, arbitrarily scalable organization level separation and the connection of highly flexible external company portals. Goal and result are congruent.

This corresponds to an effectiveness of exactly 100 %. PACS maps 1:1 what you need as a customer. The implemented goal is therefore not only what any general conditions allow, but exactly what management, controlling and specialist departments formulate as the goal. PACS couples this 100% effectiveness with 100% efficiency. Your PACS solution can be implemented in the shortest possible time with minimal use of financial and human resources. Thanks to the middleware principle, PACS accesses all required data as quickly as possible and thus sets new standards in data economy.

PACS as a management and controlling tool:

- German Engineering for Effectiveness Coefficient 1
- process quality and reliability are increased
- high availability through stable, fail-safe Linux architecture
- low training requirements due to synchronized surface structure
- investment protection through simple parameterization
- efficient use of time and personnel resources
- sustainable system design with minimized power consumption



PACS runs. And runs. And runs. And runs.

Sounds like a classic. It is. Because PACS consistently relies on the Linux operating system: hardly susceptible to viruses and with a long service life. In addition, it offers resource-saving data efficiency - and optimized availability.

Just how stable and reliable our systems work is demonstrated, among other things, by this proverbial high-performance application: For many years, Formula 1, among others, has relied on the know-how and experience of our team in all questions of authorization management for all races.

PACS: Reliable, because absolutely Linux.

- stable operating system with a long lifetime
- ideal for security-oriented environments

PACS: High availability through decentralized hardware.

- use of a cluster of several small computers instead of a single central server
- extremely high reliability of the complete system

PACS: High data security through decentralized software.

- use of different network segments for user-, workflow and data layer



Parameterization instead of programming: with a highly individual Umbrella System.

An airport is not an open-air festival, an event hall is not a large construction site: no two challenges are the same.

Sometimes only simple access authorizations are required, sometimes the complete lifecycle of hundreds of authorized users with different user profiles must be mapped, and almost always the requirements change during operation. PACS maps all this - and thus simplifies highly complex safety architectures in engineering and application.

PACS: Parameterization instead of Programming

- [changeable interface and workflows without programming and data migration - fast and easy](#)

PACS: user-friendly, web-based interface easy

- [implementation of compliance rules through customizable workflows](#)

PACS: Leading system according to middleware principle

- [umbrella system over different access control systems](#)
- [autonomous data acquisition from the subsystems](#)



PACS is designed with the user in mind: with modular, open architecture.

The strict separation of user interface and middleware allows interface changes without affecting the logical flow. All common data formats, third-party modules and third-party systems can be connected; workflows and rules can be changed flexibly at any time.

This way, every PACS system can be modularly designed directly from the task at hand: Not the architecture determines the application, but the application determines the architecture.

PACS: modular structure, flexible reconstruction

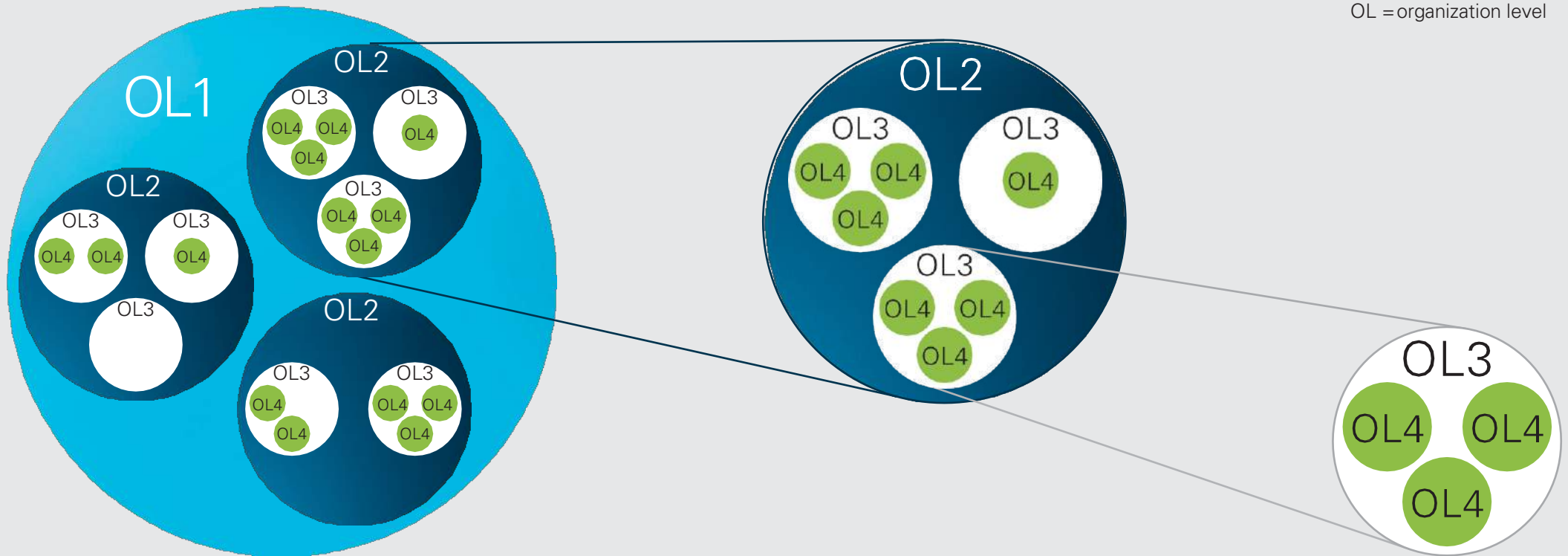
- strict separation of the PACS user interface from the middleware
- rule and workflow layer can be adjusted by script or parameters

PACS: highly scalable and user-oriented

- easy extension of the modules and redistribution of tasks free
- choice of system configuration according to the requirements

PACS: open and applicable in all environments

- coverage of all authorization tasks: Employee- /Personnel- /Visitor- / Partner companies- /Asset- /Passport management




PACS strictly separates clients: and hierarchizes the organization levels.


PACS simplifies authorization management within complex structures through a simple principle of hierarchization. This starts with a strict client separation, which allows any number of strictly separated projects or clients on a horizontal level.

Within a client, an easily applicable mathematical classification system in the Vertically, set up any number of organization levels, each with its own organization level ID (OLID). Each organization level has access to the data of its


own and all levels below it, but not to the superordinate level. This makes it easier to create badges and manage authorizations, for example, if your project involves subcontractors and subcontractors who in turn commission and co-manage other external companies.



Authorities and
administrative organizations



Universities and
educational institutions



Associations and
Non-Profit Organizations

The OLID principle of PACS: applicable to any organization, no matter how complex.

The principle of organization level separation enables clear authorization management wherever organizations are complex and multi-layered organised.

Cross-location client separation, for example, simplifies HR management in decentralized corporate structures - from headquarters to the smallest branch office. Federal, state, district and local authorities can control data access in public authorities and institutions

Educational institutions such as universities or universities of applied sciences and their individual faculties can be managed more easily.

Non-profit organizations, associations and clubs can also be organized more easily from federal to local level. The decisive factor is that customers retain full data sovereignty at all organizational levels.



Delegate responsibility more easily: via the PACS external company portal

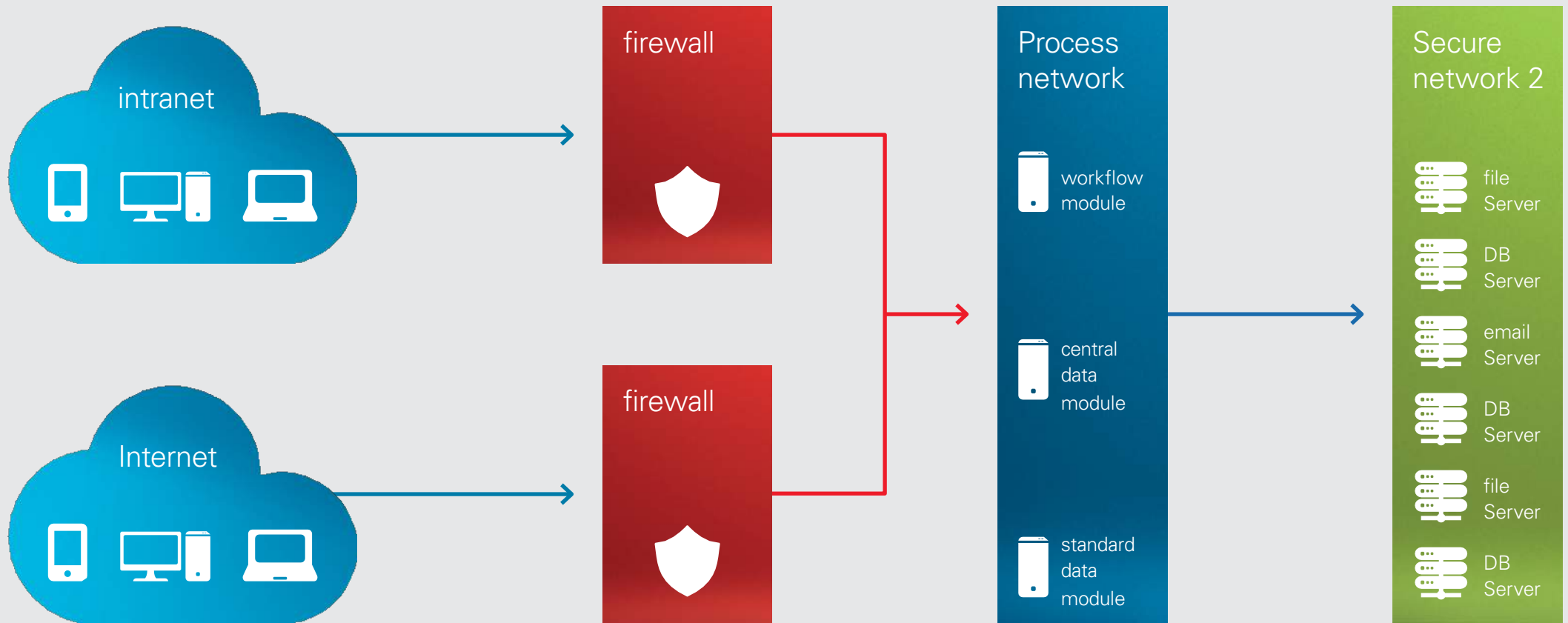
Via the PACS external company portal (ECP), the administration of the access and authorization management can be carried out by the client directly on participating contractors which in turn can delegate access to further subcontractors.

Separation is achieved via separate organization level-IDs (OLID). The subcontractors themselves can only delegate within their own or the underlying OLIDS. In this way, the initial contractor is relieved to the maximum:

The external companies independently record their own employees and own vehicles in the web portal, they can upload certificate files for verification or lock their own employee data.

Maximum security is guaranteed: The registration in the ECP is always done with username and e-mail address – not with a password.

This ensures that only mail recipients known to the system can log in; access from outside is not possible.



The middleware principle: secure, scalable and cascadeable.

The decisive difference to conventional authorization management systems lies in the clear separation of user interface, middleware (i.e. workflow and data module) and the data layer itself. With "PACS", the middleware autonomously collects all necessary information from the decentrally connected data sources:

Pictures, certificates, documents, reliability checks, certificates of good conduct, first aid certificates and authorizations. Then the middleware of the user interface makes all information about the person concerned available "en bloc" and in a resource-saving manner.

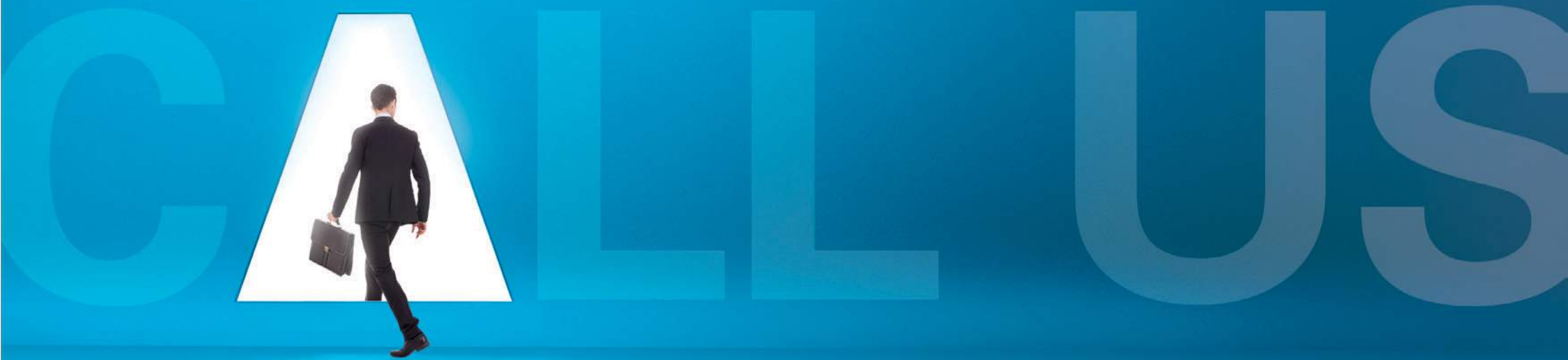


In use worldwide: customized access management from PACS.

With PACS, yet another "German Engineering" innovation is well on the way to becoming an established world standard in a short time.

With the basic principle of maximum simplification of highly complex organizational structures, PACS is ideal for use in large companies and large-scale projects.

Accordingly, PACS is already successfully used in numerous appropriately sized environments. German and international airports, large logistics companies and governments use the PACS technology for effective and efficient badge and authorization management, for access control systems or to support personnel management.



Rely on the reliability of a proven system: PACS.

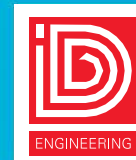
We would be happy to explain to you in detail in a personal meeting how you can answer all questions regarding authorization management in a sustainable and investment-safe manner.

iD Engineering consciously relies on the personal support of its developers and makes the specialist knowledge accumulated over years available to you specifically for your application.

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