# ICT systems
# technical infrastructure
# M2M/IoT

**ANDRA**
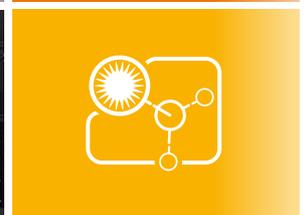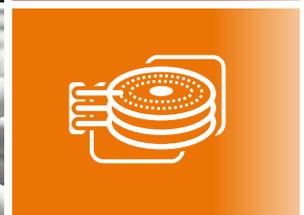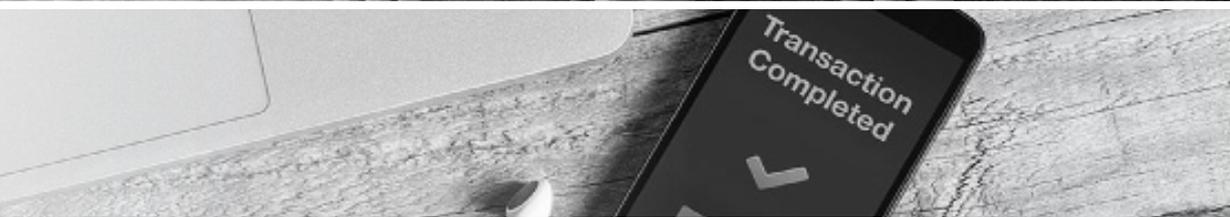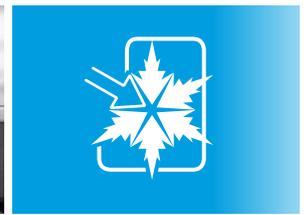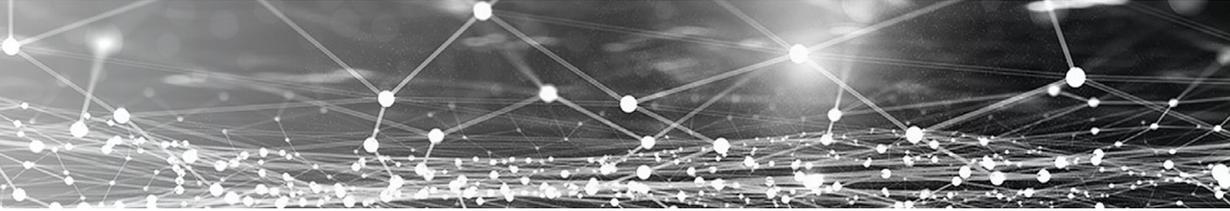
## IT solutions

**Storage, backup and archiving, virtualisation, LAN/WAN/WLAN**
We design and build infrastructure that ensures efficient data exchange, secure storage of resources and stable operation of production systems.

We deliver hardware and application solutions that are then integrated by us into an efficient and secure system. The IT environment that we develop provides a solid base for business and its growth.

## IT infrastructure

**for server rooms/data centres and end users**
We deliver hardware, equipment and software to build infrastructure for efficient and secure data transmission, processing and storage. We support our clients with upgrading and expanding the existing infrastructure.

We offer installation and configuration of new components and their integration with production systems.
We assist in selecting the most cost-effective and functional solution. We provide after-sales support, technical advice, warranty and post-warranty service based on individual SLAs.

## Server rooms and data centres

We provide services in design, delivery and installation of a complete infrastructure for secure, functional server rooms and data centres in office and public buildings.
We provide consulting at the shell&core stage. We convert space in operating facilities.

We all installations we design form a coherent and single functional unit. Our services include fitting server rooms with all installations, systems and components that ensure safety and effective operation.

## Building installations

**Technical security systems, building automation systems (BMS), generic cabling, electrical installations and power supply systems**
We develop and build systems that make technical infrastructure of work environment in office and commercial buildings as well as public facilities.

We provide technical safety and uninterruptible power supply, we create the shell on which building communication and data exchange systems can be built. Our services include integration of all building systems to enable centralised management of facility infrastructure, to enhance its safety and functionality, as well as optimise operating costs.

## Fit out - turnkey office space

We provide office space fit-out services to tenants' specifications in ICT and electrical installations, building automation and arrangement. We create an office environment which is ready to be occupied and start work, set up to clients' strict requirements for technical infrastructure.

We get involved at the shell&core stage and during office space upgrade for new tenants – in large office buildings as well as dedicated spaces.

## M2M/IoT
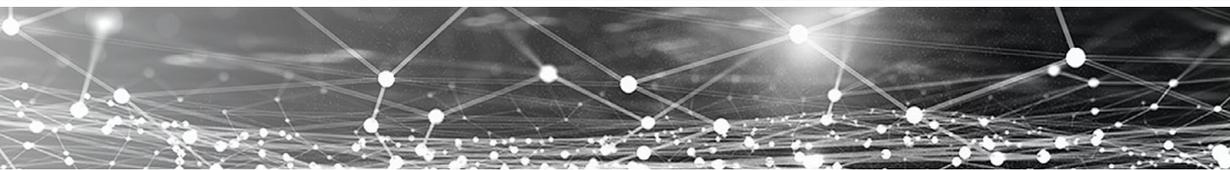
**comander**

**Smart Grid, Smart Metering, Smart Communication**
Andra manufactures solutions that provide remote access to remote and distributed elements of a structure known as the Smart World.

The comander platform can be used to connect objects wirelessly where traditional wired or fibre optic connections are not possible. The platform combines hardware and software into a system that is flexible for operators, provides all the functions for effective management of the communication infrastructure in distribution networks.



## Cold, heat, energy
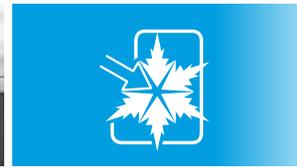
We develop and build heat recovery and cooling systems based on absorption and compressor technologies. We fit the system with the necessary power supply, low-voltage and hydraulic installations, cabling as well as automation and control systems – we deliver turnkey systems.

Our solutions always ensure energy optimisation. We demonstrate how of both utilities (electricity, heat, water) as well as the potential of waste energy generated in technological processes can be used effectively.



## Communication for business

**User Experience, Customer Experience, CTI applications**
We design and deliver solutions for multi-channel, stable and secure communications for all company employees, regardless of their

location or the type of devices they use. We ensure comfortable remote work and deliver tools for effective teamwork.
We offer implementation of contact centre systems that are designed and fit to effectively support customer service and campaigns of any type and scale.



## Banking and financial applications

**Electronic banking, reconciliation, Payment Factory, treasury management**
Our solutions are created and introduced to effectively support payment and clearing processes. Our projects are based on solid know--how of financial operations as well as the banking and financial sector.

We work where IT meets finance - and vice versa. The evolution of these solutions follows that of payment services. We provide solutions to handle new standards as well as formal and market requirements..



## Custom software

We develop applications that are complementary the functionality of business IT systems: call/contact centres, financial and accounting system, systems for managing communication and telemetry devices, etc.

Our applications precisely respond to the functional requirements that the customer places on their systems, and which are unavailable these systems in their basic version.
We integrate our solutions with IT systems functioning at the client's. We also deliver the necessary hardware.

## COMPANY

### Integrator, Reseller, Manufacturer

**We provide solutions and design, implementation, maintenance and consulting services in ICT and technical infrastructure.**

**With the help of new technologies, knowledge and experience we build an efficient and safe production environment, facilitate work, support functioning and business development.**

ANDRA was founded in 1988 as one of the first companies on the Polish market offering IT and integration services. For 30 years we have been assisting our clients in getting the most out of new technologies. The portfolio of our solutions covers a wide range of mutually complementary solutions in ICT and technical infrastructure of facilities.

With a solid theoretical foundation, practical experience and unique know-how, we know how to build a state-of-the-art, efficient and secure infrastructure, so that business processes of our clients can run flawlessly and effectively.

We are consultants: we support our clients in selecting the most beneficial solution and we make sure to provide options for its future development.

We are experienced practitioners: we lead implementations, provide aftersales service, share our knowledge.

We assist our clients at all stages of the project. We focus on technical competence, business integrity and long-term relationships.

ANDRA employs 90 employees. The company's capital is 100% Polish.

## OUR CLIENTS

Our clients are primarily medium to large companies and organisations, nationwide. We serve clients in the energy, industrial, banking and finance, construction, transport, media and new technologies sectors, as well as public administration units.

**Those who have trusted us include**

KGHM Polska Miedź, Zakłady Azotowe „Puławy", Arcelor-Mittal, GPEC, innogy Polska, PGE Dystrybucja, ENEA Operator, ENERGA-OPERATOR, TAURON Dystrybucja, PGNiG, Fortum Silesia, Cavatina, Muniak, SPIE Building Solutions, Tetris Poland, Warbud, PKP Cargo, Pfizer Polska, Polpharma, Avon Operations, TVN, Netia, Orange Polska, Faurecia, Bank Pekao SA, BNP Paribas Bank Polska, Bank Pocztowy, NBP, Poczta Polska, mLeasing, SWPS Uniwersytet, ING Bank Śląski, PKO BP, Philip Morris Polska, Frito Lay, Tatra Spring, Apator, ...

## PARTNERS

ANDRA