Tomorrow begins today

CORPORATE OVERVIEW

ACKSYS
COMMUNICATIONS & SYSTEMS

At a glance

SINCE 1984, ACKSYS COMMUNICATIONS & SYSTEMS HAS ACQUIRED A STRONG KNOW-HOW IN DESIGNING AND MANUFACTURING INDUSTRIAL DATA COMMUNICATION SOLUTIONS (CELLULAR / WLAN / LAN / SERIAL).

Its expertise and high quality standards allow it to meet the most severe requirements in transportation (rail & road), industry (M2M, IIoT, automation), aeronautics, mining (underground and above ground), oil & gas and environment (renewable energy, water, waste water).

Its inbuilt engineering, technical and commercial teams are able to meet accurately the expectations of its customers and assist them from the definition of their needs to the deployment.

Thanks to a qualified and structured distribution network, ACKSYS is present on the five continents and can therefore meet any industrial application need, any time.

1984

ACKSYS start its activity by developing high-performance CPU powered synchronous communication controller boards. These controllers are dedicated to the management of specific serial links and allow military, aeronautical or telecom equipment connections.
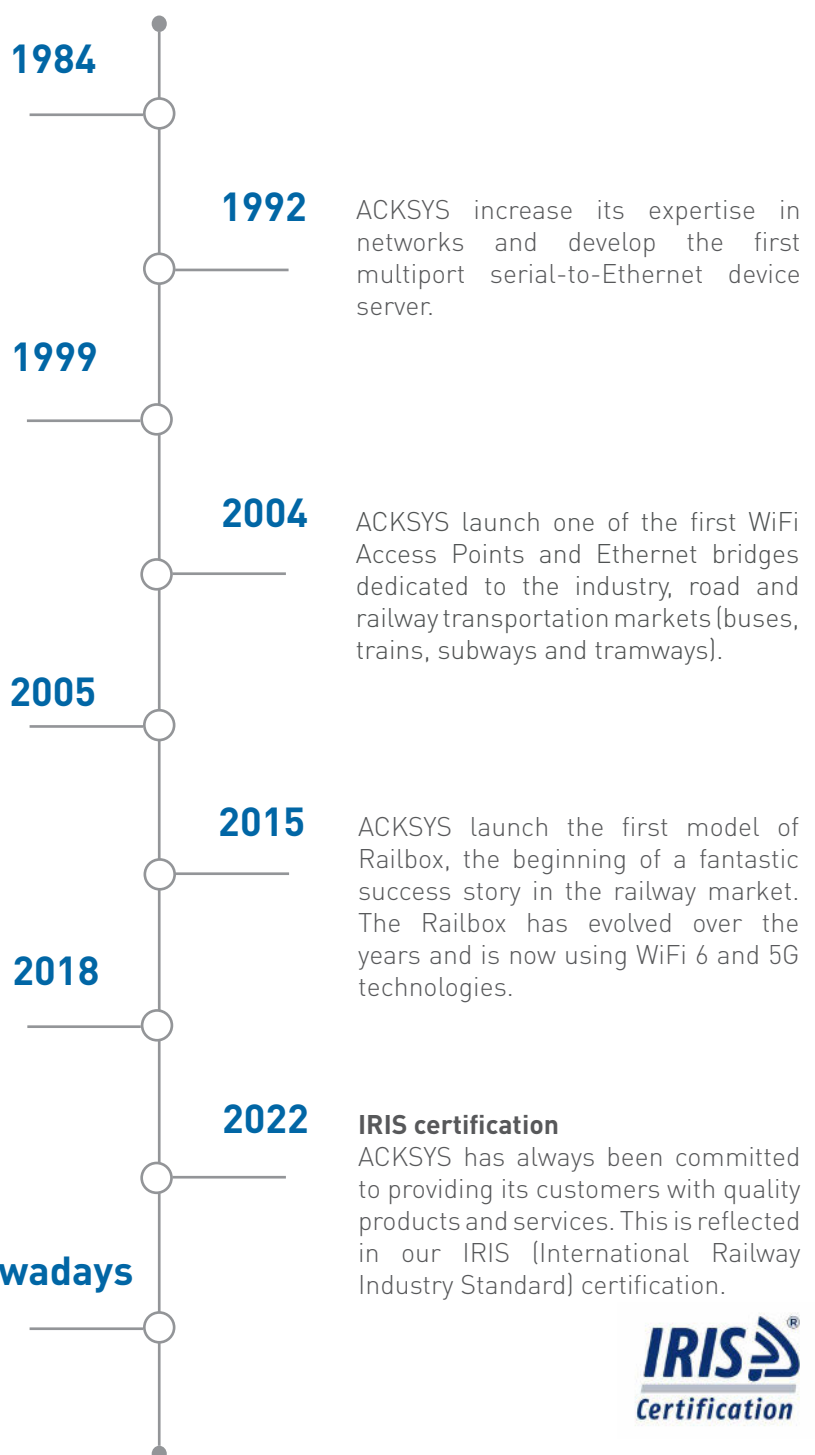
1992

ACKSYS increase its expertise in networks and develop the first multiport serial-to-Ethernet device server.

1999

ISO 9001 certification

ISO 9001:2015

2004

ACKSYS launch one of the first WiFi Access Points and Ethernet bridges dedicated to the industry, road and railway transportation markets (buses, trains, subways and tramways).

2005

ACKSYS become worldwide technology partner of Schneider Electric.

2015

ACKSYS launch the first model of Railbox, the beginning of a fantastic success story in the railway market. The Railbox has evolved over the years and is now using WiFi 6 and 5G technologies.

2018

+200 000 WiFi routers sold worldwide.

2022

IRIS certification
ACKSYS has always been committed to providing its customers with quality products and services. This is reflected in our IRIS (International Railway Industry Standard) certification.

Nowadays

ACKSYS is a recognized and trusted partner when it comes to WiFi and cellular communications in harsh environment, transportation, industry, mining.

IRIS® Certification

A wide range of solutions...

CELLULAR ROUTERS

ACKSYS' latest products combining dual SIM cellular connectivity (2G/3G/4G/5G LTE) and a multi-constellation GNSS enable a truly uninterrupted communication to be established an then ensure a secure backup connection for maintenance applications.

WiFi SOLUTIONS

ACKSYS designs and supplies a wide range of wireless devices (access points/clients/mesh/repeaters for the the most varied and the most severe environments.

Thanks to its extensive technical knowledge, ACKSYS is able to build highly-available wireless networks and thus meeting accurately every industrial application needs.

SERIAL GATEWAYS & MEDIA CONVERTERS.

TRANSPORTATION - TRAINS AND SUBWAYS

> Train-to-trackside communications
> High-speed wireless car-to-car coupling system
> In-car radio coverage
> Real-time high-speed communications in motion or at the depot/station for CCTV, PIS, Passenger WiFi, CBTC, vehicle diagnostic and maintenance, etc.

TRANSPORTATION - BUSES AND TRAMS

On board buses and tramways, ACKSYS routers using both WiFi and 4G/5G provide connectivity for:
> Internet of Vehicles (IoV)
> CCTV
> Ticketing
> Passenger counting
> PIS
> AVL, etc.
At the depot, ACKSYS routers are also used as ground WiFi Access Points for high speed and reliable data transfer.

for the most demanding markets

CONNECTED INDUSTRY

> Supervision, automation, command and control systems
> PLC communications
> Monitoring, process-control of automated/automotive devices
> Remote I/O control

MINING, STONE QUARRY (UNDERGROUND & ABOVE GROUND)

> Remote control and monitoring of automated vehicles
> Accurate and real-time payload data
> IP remote video streaming
> Proximity detection systems

ENVIRONMENT - RENEWABLE ENERGY, WATER TREATMENT, ETC.

> Renewable energy production
> Wind farms vibrations monitoring
> Water treatment telemetry
> Equipment remote control and maintenance

AND MANY OTHER MARKETS...

A partner to go further

> RELIABILITY AND ROBUSTNESS

ACKSYS' products are designed to be used in harsh environment (extended temperature range, humidity, shocks and vibrations, EMC perturbations...), this is why their manufacturing components are carefully selected, controlled and submitted to endurance tests. According to their reference, they come with a 5-year warranty or lifetime warranty.

> LONG LASTING PRODUCTS

In order to provide long lasting solutions to its customers, ACKSYS works closely with its suppliers to foresee any eventual obsolete products and thus back-up its product line to avoid any stock rupture. ACKSYS also pay attention to develop products compatible with existing solutions. All the products have an average life cycle of 10 years.

> RELEVANT SOLUTIONS

ACKSYS develop tailored solutions designed to fit its customer's specific needs and unique application environment: rack or DIN rail, waterproof or explosive resistant enclosures, OEM modules, etc.
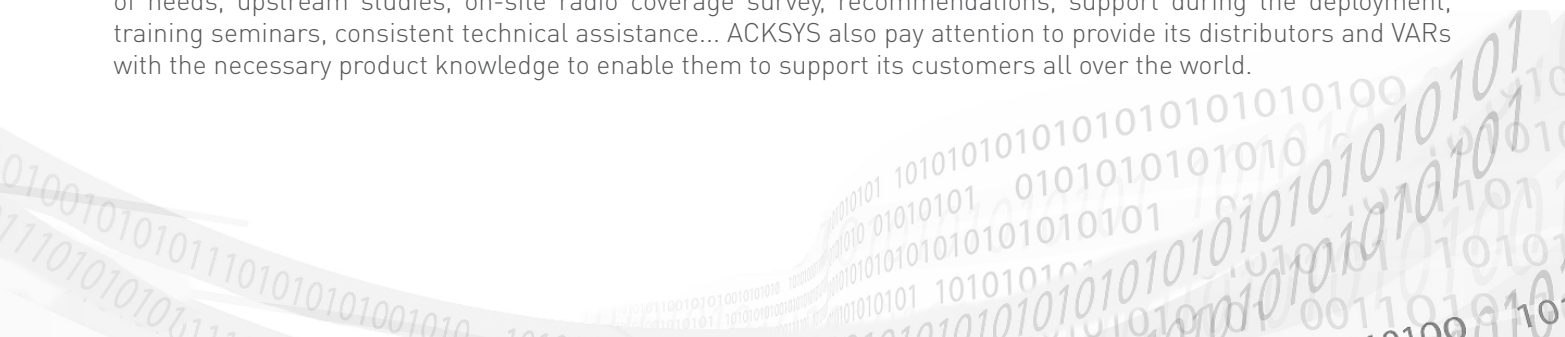
ACKSYS products, designed for specific markets, have the certifications requested for these markets, such as EN50155 for railway, ECE R10 and EN 61373 for buses,etc.

ACKSYS is also able to develop specific firmware upon request.

> CUSTOMER SERVICE COMMITMENT

ACKSYS COMMITS TO PROVIDE STATE-OF-THE-ART TECHNOLOGY, PRODUCTS AND TRAINING TO KEEP ITS CUSTOMERS IN THE FOREFRONT OF THE COMMUNICATIONS AGE.

ACKSYS has developed a solid pre-sales and after-sales process to ensure that customers receive the highest level of support. ACKSYS can advise and assist its customers at every stage of their projects: system diagnosis, definition of needs, upstream studies, on-site radio coverage survey, recommendations, support during the deployment, training seminars, consistent technical assistance... ACKSYS also pay attention to provide its distributors and VARs with the necessary product knowledge to enable them to support its customers all over the world.

ACKSYS
COMMUNICATIONS & SYSTEMS