

# Tomorrow begins today

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## 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.

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.

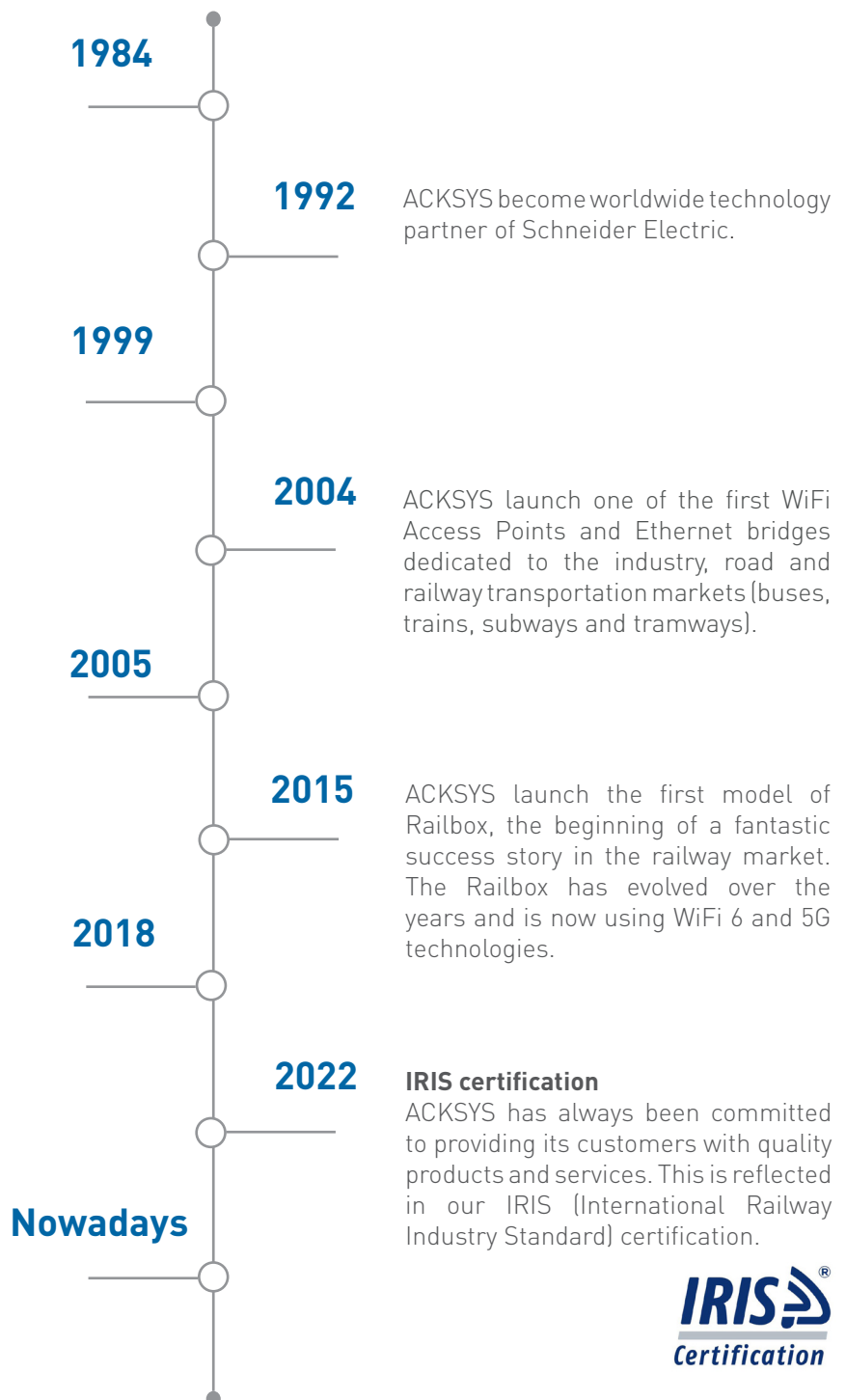


**ISO 9001 certification**

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

+200 000 WiFi routers sold worldwide.

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



# 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 and 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 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.

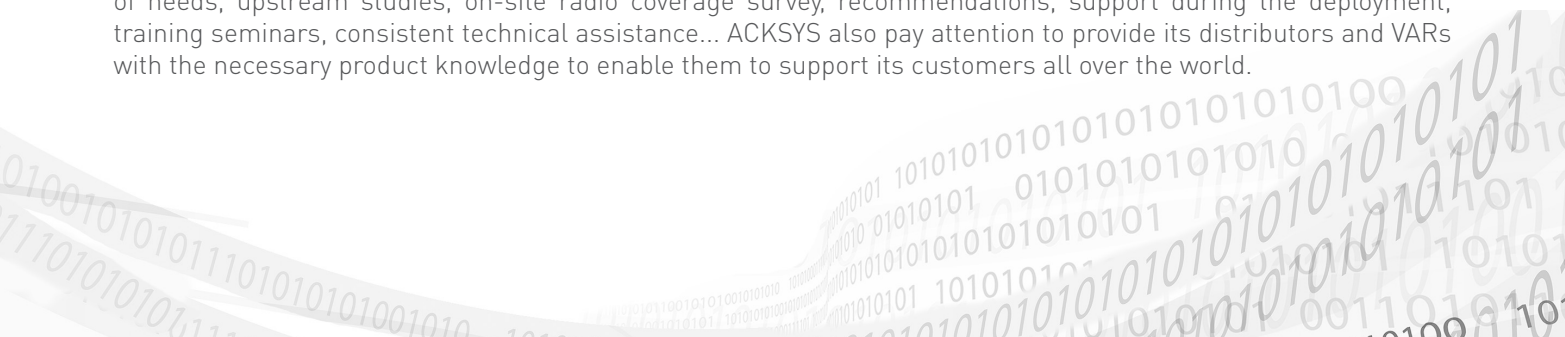
ACKSYS products, designed for specific markets, have the certifications requested for these markets, such as EN50155 for railway, ECE R10 and EN 61373 for buses, etc.

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

Z.A. Val Joyeux - 10, rue des Entrepreneurs - 78450 Villepreux - France  
Phone : +33 (0) 1 30 56 46 46 - Fax : +33 (0) 1 30 56 12 95 - Email : [sales@acksys.fr](mailto:sales@acksys.fr)

[www.acksys.fr](http://www.acksys.fr)