

EKOSync 1588

Railway Solution



arf

technologies

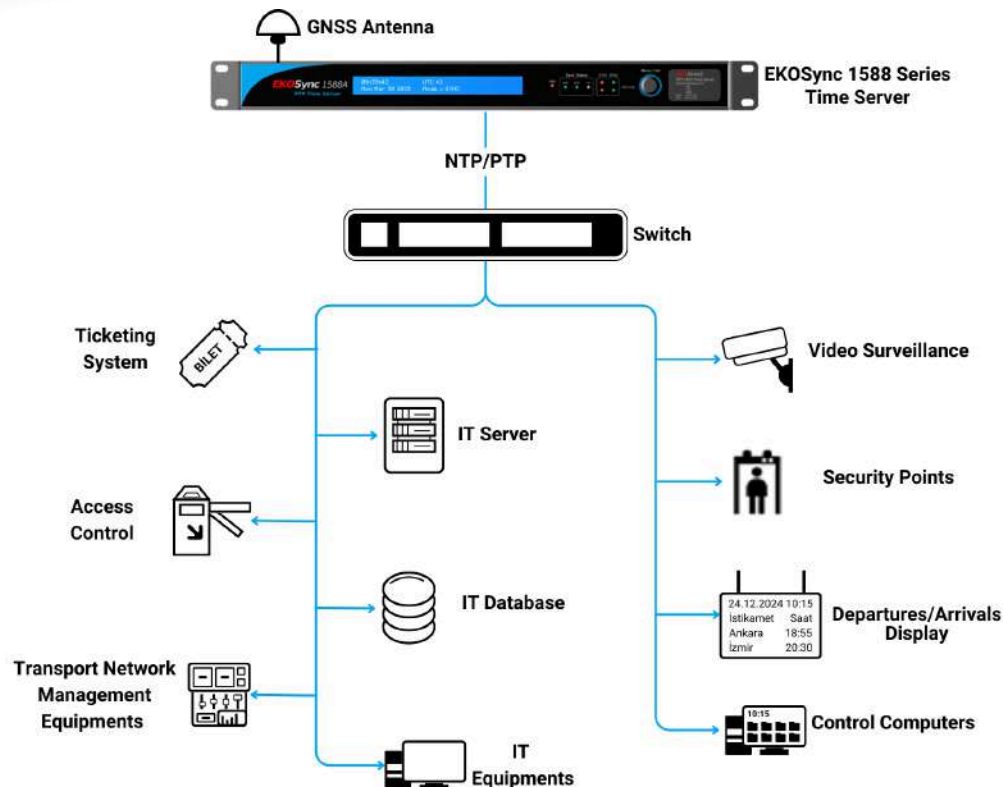
Arf Technologies combines its expertise and knowledge to deliver cutting-edge technologies in the field of integrated electronics. The company strives to achieve a leading position in the electronic industry by developing innovative and high-quality products that cater to the specific needs of its customers.

A person with a watch knows what time is is. A person with two watches never sure.

-Segal's Law

Seamless railway operations start with precise, synchronized time.

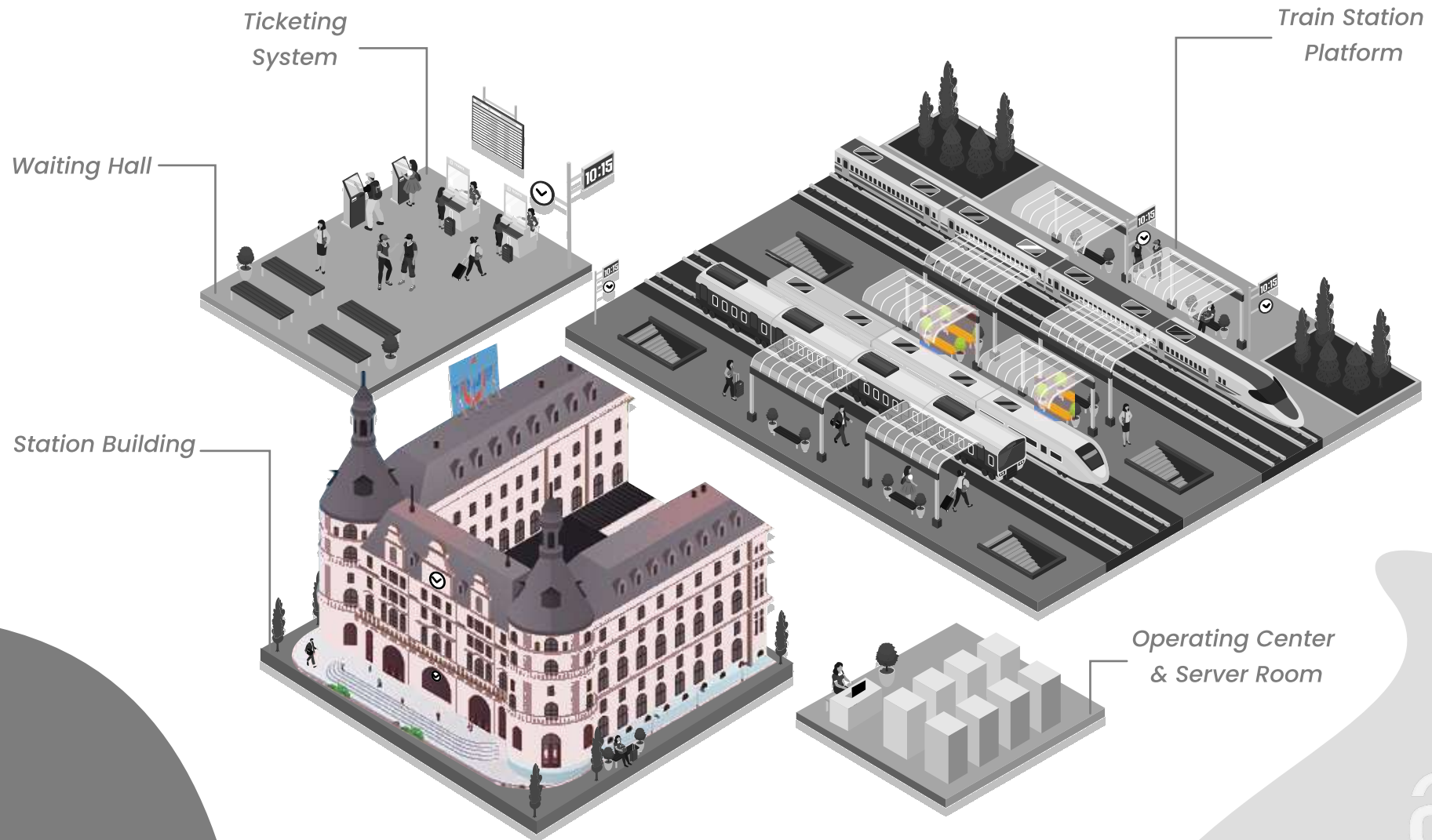
Time information is a critical data point in the transportation sector. It is not simply a matter of displaying the time, but rather distributing a reliable, precise and secure time to a set of devices.



The use of an exact time is required in order to coordinate the operation of a railway network, organize departures and arrivals, anticipate delays and more.

The same time reference must therefore be deployed to all the devices in the IT network so that they are all synchronized: clocks, computers, ticketing, video surveillance systems, radio communication and telephones.

Railway Architecture



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Operational Safety

Our solutions synchronize signalling systems, traffic control centers, and onboard train systems—ensuring optimal coordination, preventing collisions, and enhancing overall safety.

Precision Scheduling

Accurate timekeeping ensures train schedules are strictly followed, minimizing delays and improving reliability across the network.

Seamless Data Synchronization

Stations, trains, and control centers operate in sync, enabling smooth communication and real-time decision-making.

Swift Emergency Response

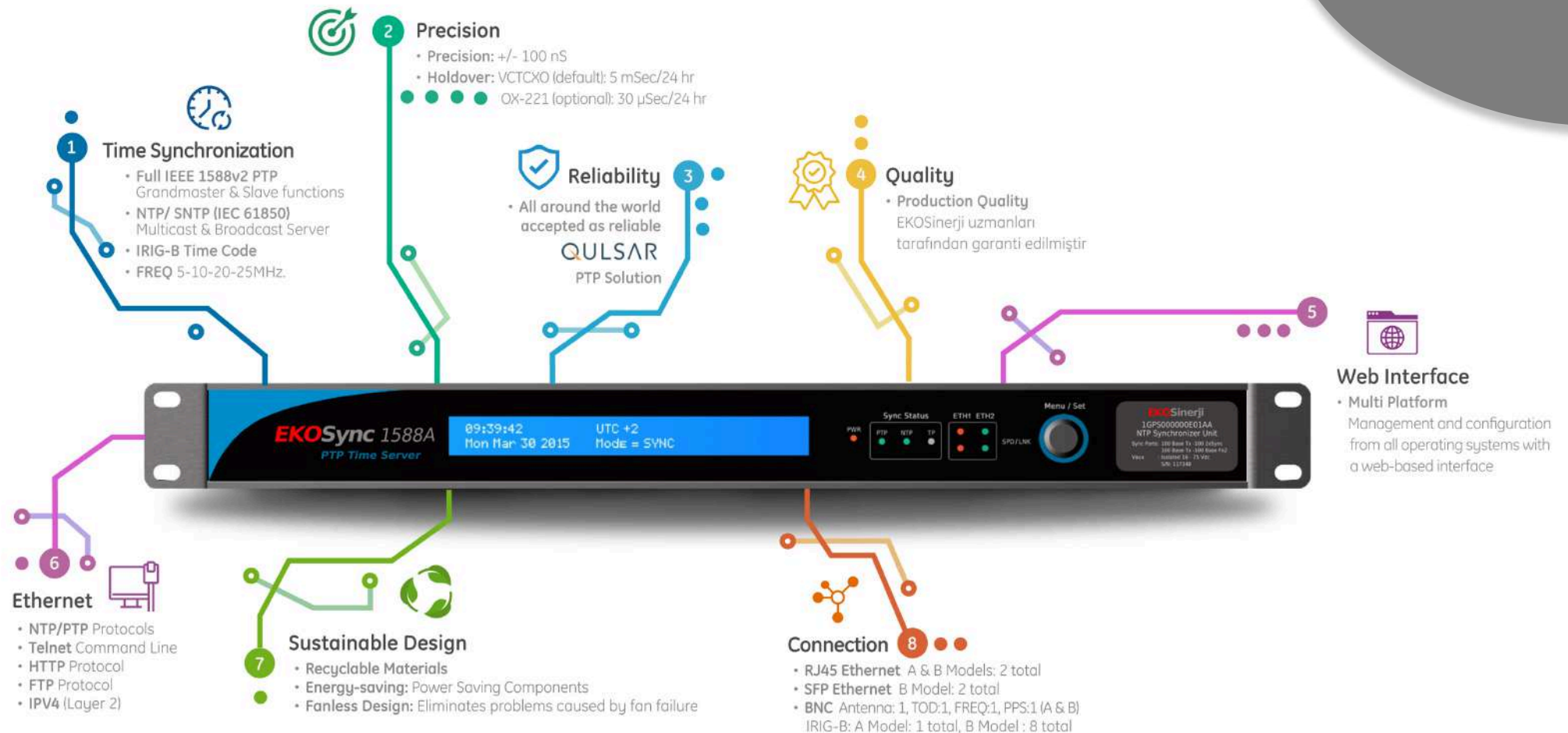
Fast and precise coordination enhances safety measures, allowing for quick responses to critical situations.

Optimized Efficiency

Better track management through synchronized timing reduces energy consumption and operational costs, improving sustainability and performance.



Our Timing Solution



Power Substations



Industrial Automation



Telecom - LTE 4G-5G



Finance MIFID II (EU) CAT(USA)



Smart Grids



Data Centers



M.Critical IoT



Defence

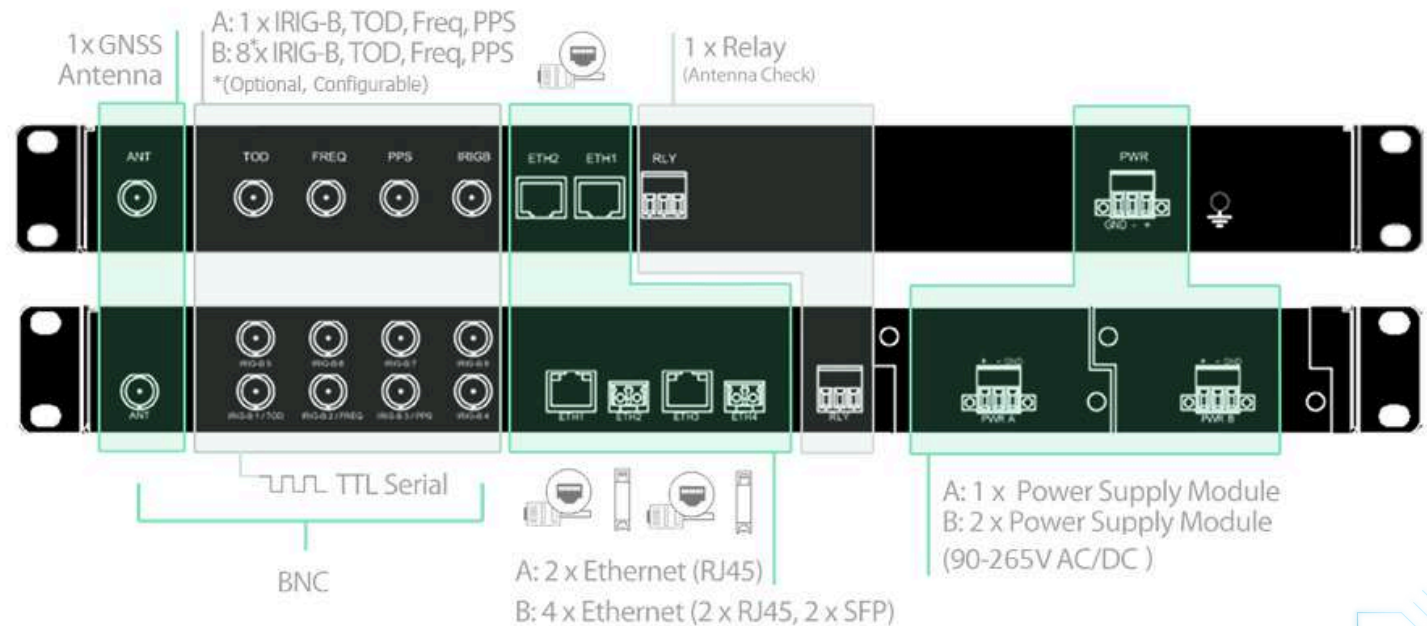


Transportation

EKOSync 1588 Time Servers

EKOSync 1588 A

EKOSync 1588 B



The EKOSync 1588 implements a time & frequency synchronization system using packet timing to deliver a full, high performance, reliable timing solution.



The logo for ARF Technologies features the letters 'aRF' in a large, white, sans-serif font. The 'a' is lowercase, while 'R' and 'F' are uppercase. Below 'aRF', the word 'technologies' is written in a smaller, white, lowercase, sans-serif font. The background is a dark blue gradient with abstract white and light blue geometric lines and dots on the left side, resembling a circuit board or data flow.

aRF technologies

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