

# ***EKOSync 1588***

## **Air Traffic Control & Airport Solution**

**aRF**  
technologies



# arf

technologies

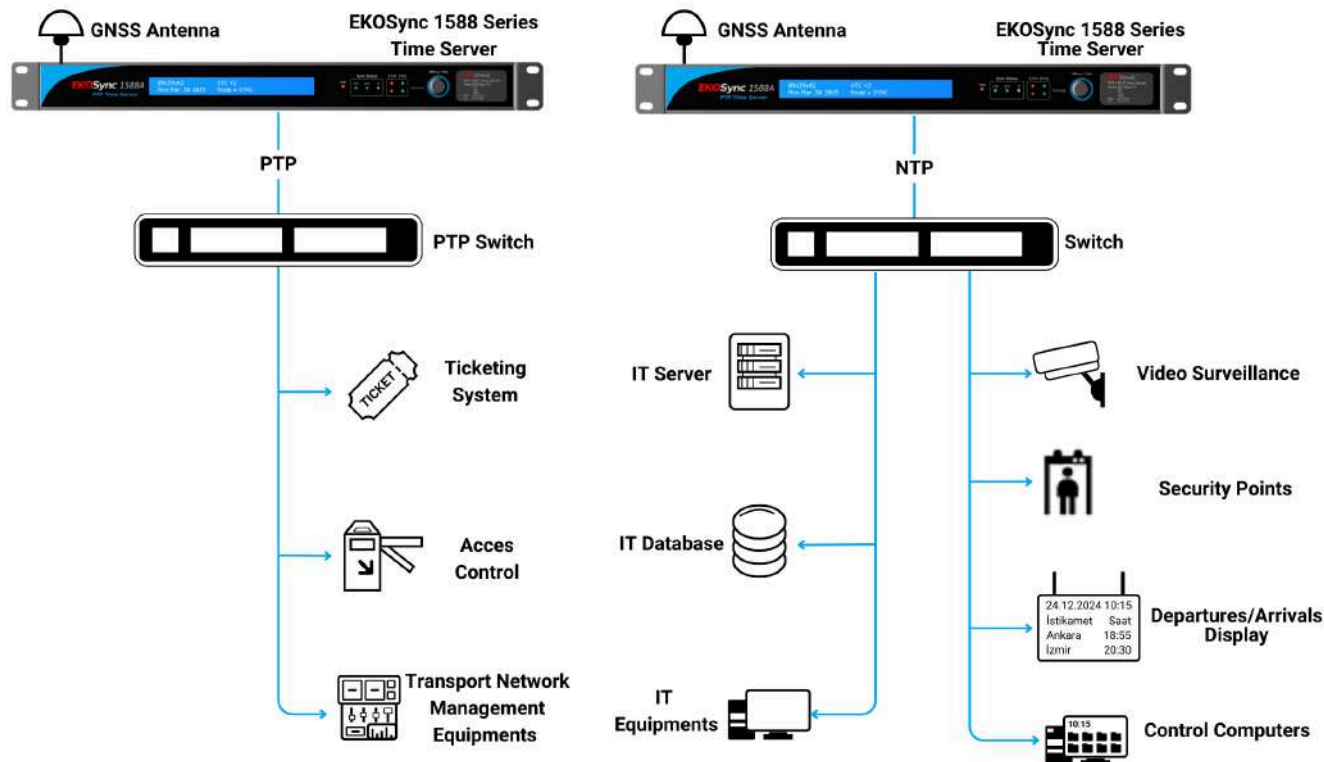
Arf Technologies combines its expertise and knowledge to deliver cutting-edge technologies in the field of integrated electronics. The company strives to achieve a leading position in the electronic industry by developing innovative and high-quality products that cater to the specific needs of its customers.

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

-Segal's Law

# Seamless airport 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.



Exact time synchronization is crucial for railway operations, enabling the seamless movement of trains, optimizing schedules, preventing disruptions, and enhancing overall efficiency.

A single, reliable time source ensures seamless synchronization across all IT systems, including clocks, computers, ticketing, video surveillance, radio communication, and telephony — keeping every component of the network in perfect harmony.



# Airport Architecture





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Esenboğa  
Airport

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### **Aviation Safety**

Our solutions synchronize air traffic control systems, radar networks, and onboard avionics—ensuring precise coordination, preventing miscommunications, and enhancing overall flight safety.

### **Precision Scheduling**

Accurate timekeeping ensures strict adherence to flight schedules, minimizing delays, optimizing turnaround times, and improving passenger experience.

### **Seamless Data Synchronization**

Airports, aircraft, and control towers stay in perfect sync, enabling real-time communication and efficient air traffic management.

### **Swift Emergency Response**

Fast and precise coordination enhances situational awareness, allowing for immediate response to critical incidents and emergencies.

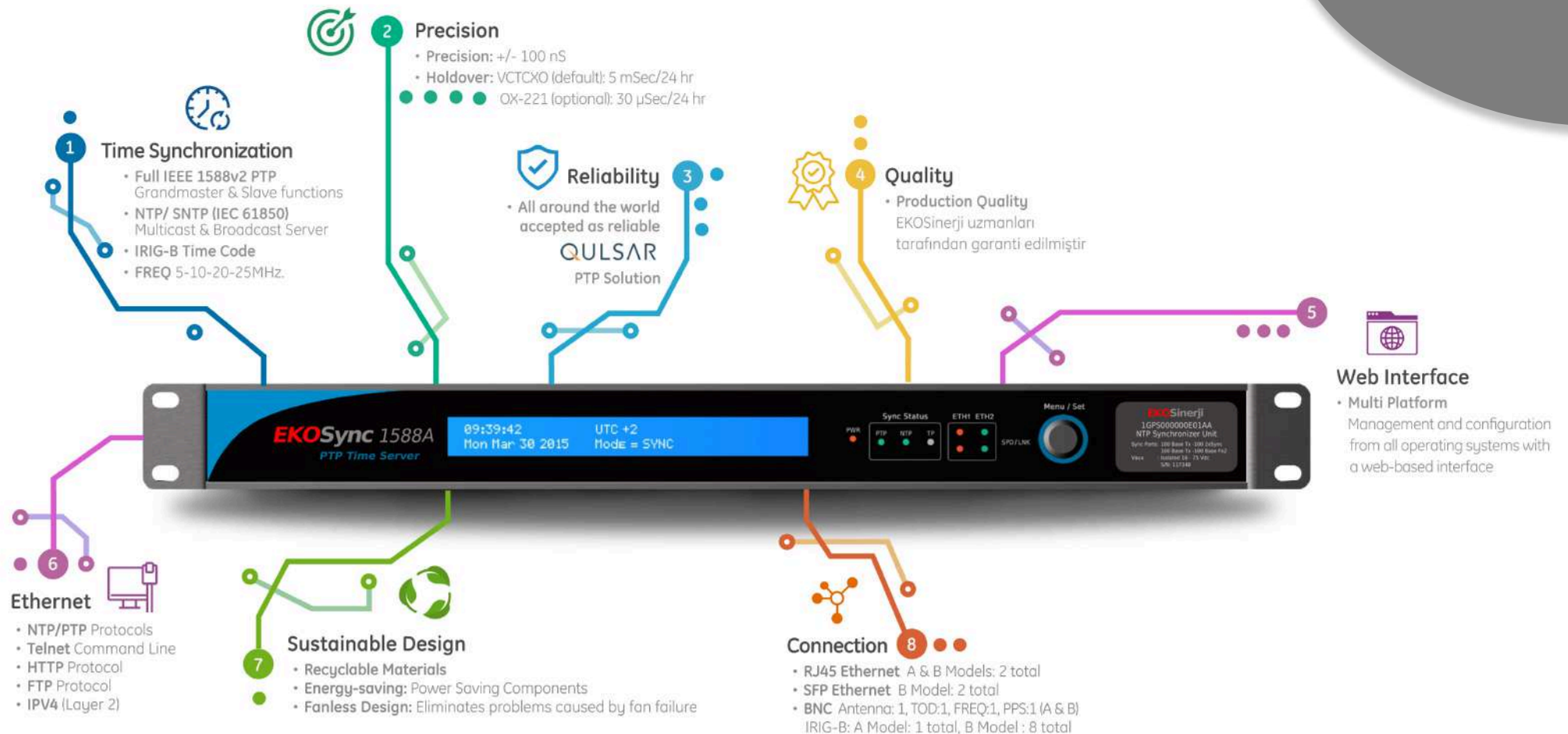
### **Optimized Efficiency**

Synchronized timing improves runway and airspace management, reducing congestion, lowering fuel consumption, and maximizing operational efficiency.



Antalya  
Airport

# 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



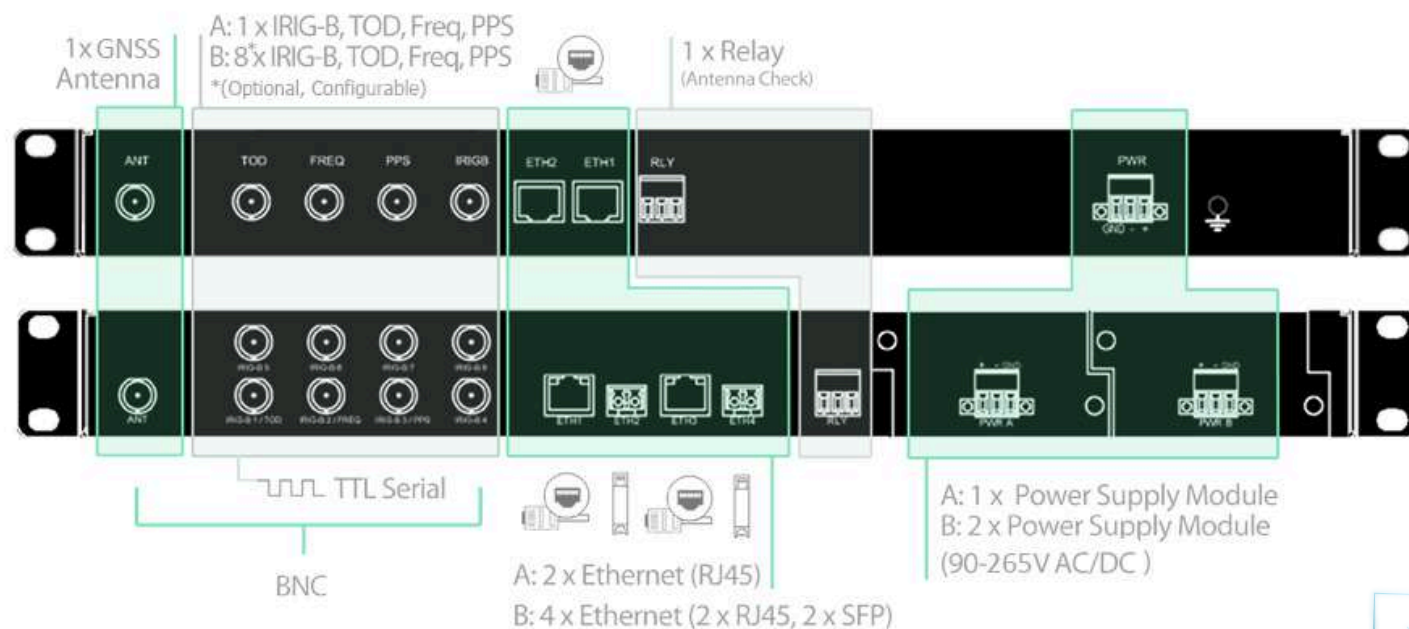
Transportation



# 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 solid blue color with a pattern of white, stylized circuit lines and dots on the left side.

# aRF

technologies

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