

# Product Overview

## Proven to Withstand

- Lightning strikes
- Gale-force winds
- Torrential rain
- Sand/dust storms
- Heat up to 60° C
- Cold down to -40° C
- Direct force of up to 250 kg

## Laboratory Testing



MSS By era

## Extreme Reliability

Each MSS ground station is engineered and built for extreme reliability. MSS systems are designed to withstand extreme climatic conditions, harsh temperatures, winds, heavy precipitation and dust — with no interruption of service. Such durability is the result of Era's track-record of providing trouble-free surveillance in over 35 countries around the world.

Era's reliability has been proven in the world's most extreme climates including the arid, desert climates of the Middle East, the tropical regions of South East Asia and the frigid mountain ranges of Europe and North America.

## Extreme Testing Means Extreme Performance

Era's relentless commitment to quality gives our customers the most dependable surveillance systems in the industry. Strength, durability and performance are designed into every ground station. Era is the only major next-generation surveillance manufacturer to build its products to IP67 standards.

Ground stations are placed through rigorous tests at Era's state-of-the-art, ISO 9001 certified factory and test laboratories. These tests simulate events, such as lightning strikes, extreme temperatures, earthquakes, typhoons and impact from objects in strong wind. MSS requires no moving parts and is designed to work completely maintenance free, throughout its entire lifecycle.

Whether ANSPs are dealing with blizzards, sand storms or monsoons, they can rest assured knowing that even if they have trouble seeing a nearby Era ground station, it will continue operating to provide the most accurate and effective surveillance attainable today.



## Operating Conditions



## IP 67

The IP Code defined in international standard IEC 60529 classifies the level of protection provided against the intrusion of solid objects (such as leaves, insects, dust), accidental human contact and water exposure.

With a rating of "IP67," the MSS Ground Station has achieved the highest level available for protection against solid object infiltration (6) and the 2nd highest level against the ingress of water (7), up to one meter in full submersion.



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Era Corporation is a pioneer and leading supplier of next-generation surveillance and flight tracking solutions for the air traffic management, military, security and airport operations markets. With proven multilateration and ADS-B technologies delivering high-performance, high-reliability surveillance solutions, the company has over 100 airport, air traffic management and military customers throughout North America, Europe, the Middle East, Africa, South America and Asia. Era systems are providing high performance, high reliability surveillance with hundreds of operational sensors covering the airspace of over 35 different countries around the world. Era's investment in research and development and its track record of product innovation has resulted in a substantial patent portfolio. Era is headquartered in Reston, Virginia with leading product research and development centers of excellence in the U.S. and Czech Republic.

For more information,  
please visit [www.erabeyondradar.com](http://www.erabeyondradar.com).

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