Real-time, High-Resolution Radar Data Without the High Ticket Price.

We’re introducing Radar-as-a-Service - proprietary and revolutionary new real-time radar data at your fingertips – at a quarter of the cost of owning your own.

**Extreme Weather Requires an Exceptional Response**

Over the last 50 years the number of weather disasters has increased globally by 500% -- weather, water, and climate hazards accounted for 50% of all disasters, 45% of all reported deaths and 74% of all reported economic losses. With the significant increase in extreme weather events, more accurate, timely forecasts and real-time weather data have never been more critically needed. Lower-level atmosphere surveillance is critical to meteorologists and imperative for severe weather detection, forecasts, and warnings. Established weather radar networks are an important line of defense, but they do not entirely reach all areas equally and as a result, low level radar data void areas exist. Climavision’s supplemental weather radar network eliminates these radar data voids and provides critical weather radar data that determines the location, timing, and intensity of severe storm impacts.

**Danger Below 5,000 Feet**

In the world of media, severe weather events increase viewers, website and app views, and drive advertising. Until now, TV stations typically had to purchase their own radar system to address radar coverage voids, which required a large upfront capital investment that was out of reach for most outlets, or make do with lower resolution, less timely public radar data. With Climavision’s Radar as a Service (RaaS), we remove that barrier, improve data access, resolution, and visibility so that a single station in each market can exclusively access the benefit of real-time radar data without the burden of the infrastructure.

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**BENEFITS OF RADAR-AS-A-SERVICE**

- **Market Exclusivity**
  Provides much desired differentiation.

- **Promotability**
  Unique breaking weather data available for all screens.

- **Cost Savings**
  All the benefits of having a station radar at ¼ the cost, plus none of the maintenance.

- **Group-wide Radar Network**
  Station groups can create exclusive coverage of regional and national weather events.

- **Customizable Forecasts**
  Nowcasts with assimilated local radar for more accurate breaking weather outlooks.
Weather radar is one of the most successful observing systems for monitoring rain, snow, hail, damaging winds, and tornadoes. However, as you move away from any radar, you lose radar coverage. Significant portions of the country are beyond weather radar coverage from the nearest government operated radar. Low level radar data void areas have been created since the existing radar coverage is more than 4600 feet above the ground, which makes it difficult to accurately analyze potential severe weather impacts near the surface where we live and work.

**Why Low Level Radar Data Void Areas Exist**

![Diagram of radar coverage and data void areas](image)

Filling in these low level radar data void areas is critical for flash flood monitoring, severe storm observations like thunderstorms and tornadoes, and improved forecast modeling which depends on measurements near the surface. Ending these data voids in radar coverage makes the surrounding residential and commercial areas better prepared for sudden weather events and will provide essential data for more accurate forecast.
Climavision Offers a New View
Our proprietary weather radar network is strategically located to operate in the low level radar data void areas between government-operated radars. This advanced network infrastructure will provide much-needed supplemental weather radar data insight that is crucial for stations during severe weather events. The Climavision radar network can even double the detectability of tornadoes. RaaS radars will enable your weather team to keep your audience aware and safe during extreme weather.

The best part?
We offer access to this network as a simple subscription service with local broadcast rights offered exclusively to a single station in each market.

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<th>FEATURE</th>
<th>BENEFIT</th>
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<tr>
<td>Seamless integration into existing visualization system.</td>
<td>Add insights into your analysis no matter what platform you’re using – tv, web, mobile or social.</td>
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<td>10X resolution of existing radar network.</td>
<td>More precise ability to track tornadoes, high winds, and rain accumulation.</td>
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<td>Up to one-minute updates on storm development.</td>
<td>Earlier insights to plan proactively and respond accordingly.</td>
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<td>Proprietary solid-state radar design.</td>
<td>Improves reliability and uptime to ensure access during critical weather events.</td>
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<td>Comprehensive suite of basic and advanced radar products.</td>
<td>Better detection of tornado rotation and debris, precipitation type and amounts, and wildfires.</td>
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<td>Preferred Radar Spectrum.</td>
<td>Reduced interference from 5G, Wi-Fi and consumer electronics.</td>
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CASE STUDY

Texas Tornado Detection

EYES ON THE GROUND
A Stonewall County tornado was indicated by storm chasers and locals on social media.

ENHANCED RADAR DETECTION
The first signs of a tornado were detected by Climavision’s Snyder, TX radar at 6:02pm CDT. The NWS did not issue a tornado warning until 6:23pm CDT.

BETTER PROTECTION
Using the Climavision radar network in conjunction with the NEXRAD radar network could significantly improve tornado detection and lead to better insights that protect lives and property.