



BELFORT INSTRUMENT PARTICIPATES IN EMPIRE STATE BUILDING RESTORATION



New York's venerable Empire State Building, designed by William Lamb and completed in 1931, has just completed an extensive \$550 million renovation, including \$12.5 million to bring the art deco lobby back to its original grandeur. An elaborate mural in the lobby originally included a wind dial, which indicated current wind speed and direction. The wind readings were obtained by Belfort Instrument Company weather sensors installed on the 87th floor of the Empire State Building.

OUR MISSION: RECREATE THE ORIGINAL WEATHER DETECTION SYSTEM

Over the years, the weather system was dismantled and the wind dial was replaced with a clock. As part of the renovation effort, the architectural historians discovered that the original weather detection equipment was made by Belfort, so they asked us to recreate the historic weather detection system. A new art deco dial has been installed in the lobby. This impressive instrument was built by Koba Industries of New Mexico, based on the exact specifications of the original design.



BELFORT WEATHER STATIONS PROVIDE A WEALTH OF INFORMATION

PRIMARY SYSTEM

Two modern weather stations were placed on the 87th floor platform, on opposite end of the building. The primary station gathers a wide range of weather information, including temperature, relative humidity, pressure, visibility range and resolution, as well as wind speed and direction



SECONDARY SYSTEM

The secondary station just detects wind speed and direction. This information is displayed on the dial in the lobby mural. Both Belfort stations are state-of-the-art, highly reliable and durable.



LIGHTNING DETECTOR

The sophisticated system can even detect the presence of lightning in the area.

GRAPHIC DISPLAY



The up-to-the-minute weather information collected by the primary system will appear on a graphic display in the visitor center, and will also be available on line to the building's tenants through their internal internet system.