

## CLIENT CASE

# PROTECTION AGAINST HISTORIC WEATHER EVENTS

IT & DATA CENTER UNITED STATES



- UPS type: Dynamic UPS
- Power module: 2200 kVA
- No-break rating: 1760 kW
- Phase 1 install: 2 modules
- Total install: 3 modules in total
- Operating voltage: 12.47 kV/60 Hz
- Configuration: Parallel system
- Housing: Outdoor, containerized

An estimated 4.5 million homes and businesses in Texas were left without power during what is undoubtedly the largest forced blackout in U.S. history. These blackouts came as a direct result of severe winter storms that swept across the United States in February 2021. During days

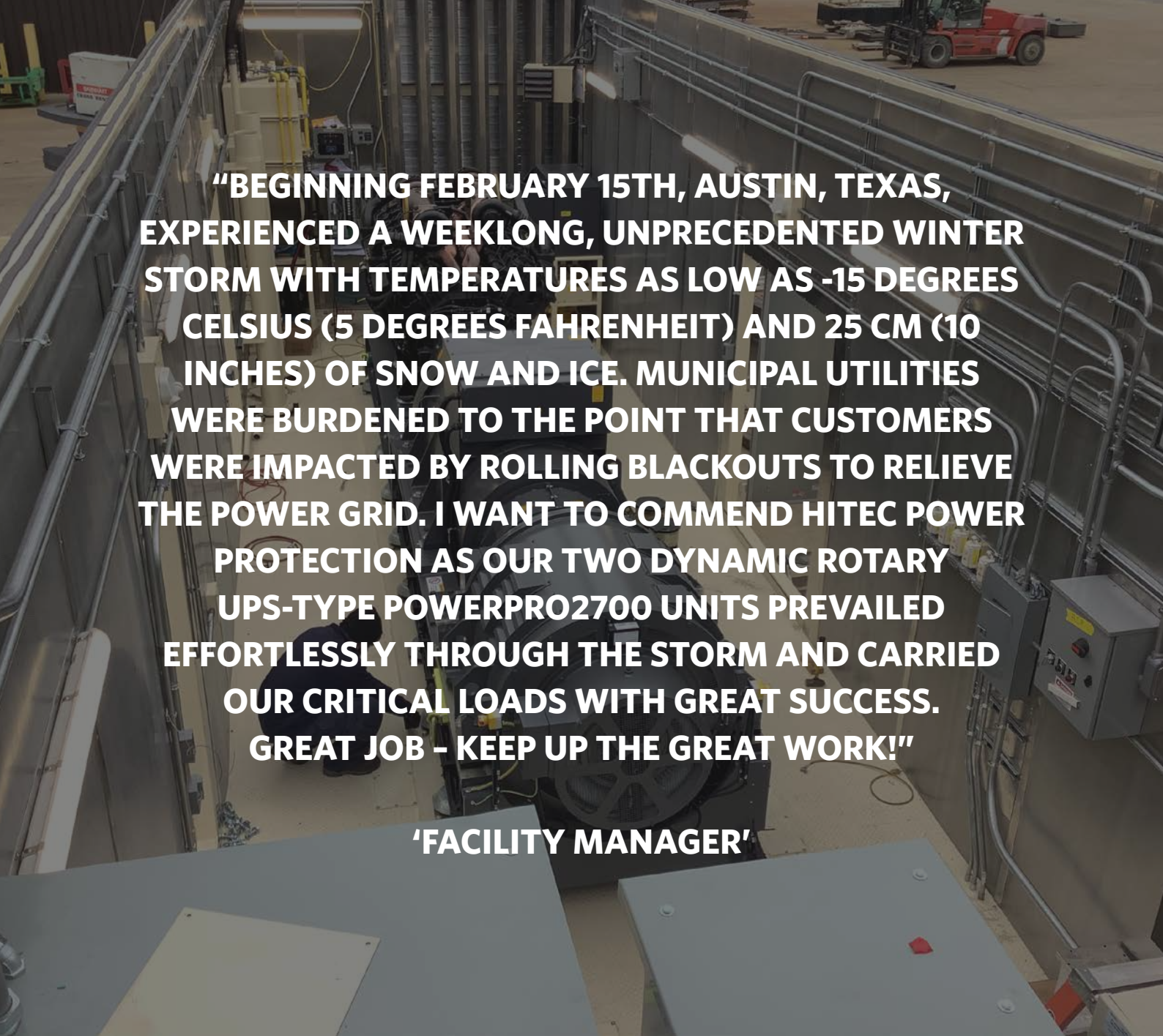
of on-going utility interruptions and uncertainty, the HITEC Dynamic UPS system provided 100% uptime to the critical load, and life safety systems, providing guaranteed power at the most critical time.

## Client Case Details

To mitigate a complete failure of the Texas grid, the Electric Reliability Council of Texas (ERCOT) implemented rolling blackouts, shedding as much as 26,000 megawatts of load. The extreme weather had affected power-generation capacity, particularly gas-fired plants. Pipelines had not been insulated and had frozen, which made it difficult for plants to get the fuel and other power-generation sources they needed. One customer, located within Austin, Texas, is supported by two HITEC PowerPRO2700 UPS

systems, and these provided complete protection during multiple sustained power outages, resulting in 100% uptime during even the most severe of environments. In 2021 we look forward to commissioning a third 2200 kVA dynamic rotary UPS within its own purpose-built container to accommodate load expansion. The three DRUPS, operating in a medium voltage parallel configuration, will continue to provide the highest levels of reliable power.





**"BEGINNING FEBRUARY 15TH, AUSTIN, TEXAS, EXPERIENCED A WEEKLONG, UNPRECEDENTED WINTER STORM WITH TEMPERATURES AS LOW AS -15 DEGREES CELSIUS (5 DEGREES FAHRENHEIT) AND 25 CM (10 INCHES) OF SNOW AND ICE. MUNICIPAL UTILITIES WERE BURDENED TO THE POINT THAT CUSTOMERS WERE IMPACTED BY ROLLING BLACKOUTS TO RELIEVE THE POWER GRID. I WANT TO COMMEND HITEC POWER PROTECTION AS OUR TWO DYNAMIC ROTARY UPS-TYPE POWERPRO2700 UNITS PREVAILED EFFORTLESSLY THROUGH THE STORM AND CARRIED OUR CRITICAL LOADS WITH GREAT SUCCESS. GREAT JOB - KEEP UP THE GREAT WORK!"**

**'FACILITY MANAGER'**

## Customer Experience

By selecting HITEC PowerPRO2700, the client has the most efficient power protection solution for their data center, one that will keep the electricity bill low for many years to come, allowing them to compete effectively in the data center market.

In addition, the exceptional award-winning industrial design of the PowerPRO2700 provides a reliable and robust solution, protecting against even the harshest environmental conditions.



AIR WATER GROUP

**CONTINUOUS POWER  
IN YOUR CONTROL**

HITEC Power Protection BV  
P.O. Box 65  
7600 AB Almelo  
The Netherlands

**Tel:** +31 546 589 589

**Web:** [hitec-ups.com](http://hitec-ups.com)

**E-mail:** [info@hitec-ups.com](mailto:info@hitec-ups.com)