N-TRON
THE INDUSTRIAL NETWORK COMPANY

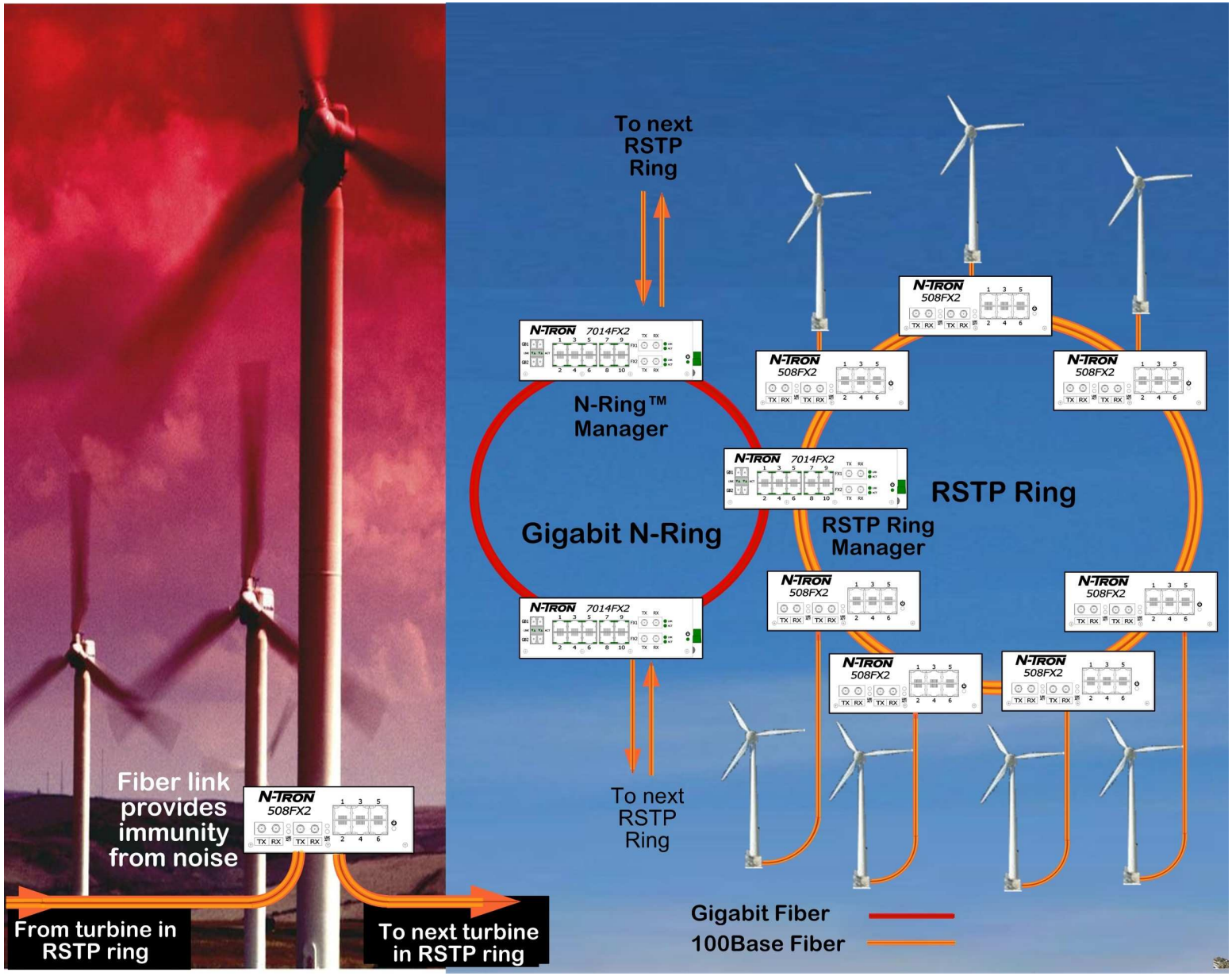
Case Study: Wind Farm

Uptime is absolutely critical to a wind farm. If the network goes down it could mean loss of $20,000 to $50,000 per hour or more in revenue. There is no room to compromise on durability or ruggedness.

At a large wind farm in Texas, Phase 1 of a 3 part system had been installed using a competitor's switches. Their advertised environmental specification was 0ºC to 60ºC and they were not meeting it. The switches were failing, and it took time to replace and reconfigure these fully managed switches, and time was expensive at tens of thousands of dollars per hour.

N-TRON's solution involved the use of a 7014FX2 fully managed switch as a ring manager, and 508FX2-A-ST switches at the individual windmills. Temperature related failures were eliminated due to the 7014FX2's temperature rating of -20ºc to 70ºC and the 508FX2's rating of -40ºC to 85ºC. Automatic IGMP snooping makes replacement or addition of attitional switches a plug and play proposition, plus the N-TRON solution was 1/3 of the competition's cost.

Topology for Wind Farm application



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