

SUCCESS STORY

RED POWER



INDUSTRY

HVAC / Fans &
Compressors

APPLICATION

Cooling Towers

COMPANY PROFILE

Energy Plant

PROBLEM

Larger complexes typically use cooling tower systems but they are especially important in power plants where ambient temperatures are especially high. The high temperatures and heat exhaust makes power plants a very harsh environment for v-belt drives. A customer using three 5VX1400 belts used on several cooling towers in a power plant and would only last 2 weeks before failing and needing to be replaced.

SOLUTION

Optibelt RED POWER 3 each 5V1400

RESULTS

Optibelt suggested trying RED POWER 3 because its high quality components and construction allow it to withstand temperatures up to 220°F. In addition to being able to withstand higher temperatures, RED POWER is the only v-belt available that does not need to be re-tensioned after installation. Its high-modulus polyester cords and transverse fiber rubber keep the belt tensioned throughout its lifetime. This ability to keep proper tension amounted to substantial yearly energy savings for the customer.

RED POWER v-belts have shown improvements in

- More than 10X the durability (towers have been running for 2 months).
- Decreased downtime.