Orbit 60
PROTECTION — CONDITION MONITORING — OR BOTH
The most advanced Bently Nevada rack system ever
After 60+ years and over 100,000 racks installed worldwide, we’ve learned and evolved what works best through five successful generations of full-featured platforms culminating in our new Orbit 60, able to meet the needs of every industry where critical machinery is found.

1965
First generation
5000 Series

1975
Second generation
7200 Series

1988
Third generation
3300 Series

1995
Fourth generation
3500 Series

2021
Fifth generation
Orbit 60 Series

Powerful, compact, and flexible
6U double-height
6U rack in same space as 3500, but holds 55% more channels
When upgrading, enables reuse of panel cutouts without modification.

The features you asked for
Our design process included more than 200 focused customer engagements to identify your biggest requirements in a new platform.

conneX™
Compact and simple
- Single interface for data flow in both directions between the monitoring system and the process control/historian
- Ensures cybersecurity by connecting only to the control network—not the business network

aXess™
Robust and cybersecurity
- Patented SIL-capable solution
- Protection and condition monitoring use same I/O, yet function independently for zero interference
- Allows data flow from protection to condition monitoring, but not the other way around
- Full bi-directional configuration and communication costs and the condition monitoring layer (future release)

Xtend™
- Connect multiple chassis and up to 65 dynamic channels with a virtual, digital backplane
- Deploy as a conventional “single” rack, or as a distributed rack
- Up to 2 km distance between chassis
- Two Chassis Redundant cabling for mission-critical protection applications
- Single cable for condition monitoring-only applications

Delivered by three new technology concepts

Globally certified
WANT TO LEARN MORE?
bently.com