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BROCHURE

Control-Cabinets

Dynamic Ratings

Distributed by AKRIBIS

Custom Control Cabinets

Consistency Makes Your Job Easier

A standardized cabinet design, layout, and functionality ensures everything is easy to locate—saving time and reducing frustration.

Easier and Safer for Employees

Standardizing the control cabinet design across all transformer brands simplifies maintenance and enhances safety for operations crews. With consistent components, layouts, and wiring, crews can work more efficiently by applying their knowledge of a single, familiar design. This consistency not only improves productivity but also reduces the risk of errors, as employees clearly understand the system logic across every installation.

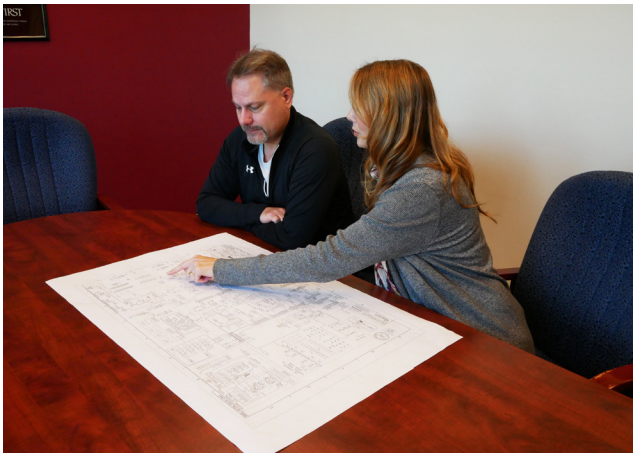
Component Standardization and Optimization

Transformer OEMs typically choose their own components based on what is easily available from their own local distributors. Providing replacement parts for control cabinets made from around the world adds cost and time delays whenever repair/replacement work is needed.

Control and monitoring devices often have built-in capabilities that can replace other discrete function devices, simplifying the design and reducing the cost. The cost invested to optimize the design may not be justified for a single transformer order. However, if the design is used across multiple OEMs, the improvement and savings is easily justified.

Simplify the Drawing Review for New Transformers

Because each OEM uses its own standard design, utility engineers often spend significant time reviewing every new cabinet to enforce consistency. Partnering with a single cabinet supplier streamlines this process—engineers review and approve one standard design, which is then applied to all future transformers. Dynamic Ratings supports this approach by maintaining a Customer Requirements Document with full revision control, ensuring construction and instrument programming details remain consistent and up to date.



Commissioning by a Communications Expert

As transformer control systems become more sophisticated, installation crews face increasing challenges in supporting their growing complexity. Dynamic Ratings offers field commissioning services performed by experienced substation communication engineers and technicians. Our team has the expertise and software tools needed to configure and test transformer control and monitoring systems.

End-to-end testing ensures that all desired data and communications integrate correctly with the customer's system. This gives asset managers confidence that a trained expert in the substation has verified that everything functions as intended before the transformer is placed into service.

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Simplify the Future Support

Dynamic Ratings tracks all control cabinet, instrument, and sensor design details by transformer serial number and, once commissioned, records them by substation name. This comprehensive tracking makes it easy to quickly identify all cabinets with a specific component, firmware version, setting, or logic—streamlining troubleshooting, maintenance, and system updates.

Easier Retrofits

When upgrading older transformers—whether to add monitoring capabilities or to address aging wiring—using a standardized control cabinet can streamline the process. In many cases, replacing the entire control cabinet is more cost-effective and practical than installing additional cabinets and interconnecting new monitoring equipment. Rather than modifying existing, complex wiring diagrams with redlined changes, providing new, updated drawings improves accuracy and can reduce reliance on external engineering consultants.

Chain of Custody

For many utilities, maintaining a clear chain of custody for digital equipment is an increasing concern. With Dynamic Ratings commissioning the control cabinets on site, this process becomes straightforward and well-documented. While there are multiple approaches to address this challenge, the following outlines one effective solution.

- **Support the OEM:** Dynamic Ratings manufactures the control cabinets with all required instruments for factory testing. Each instrument is preconfigured for the specific transformer prior to shipment, and we provide full support to the OEM throughout the process.
- **Secure the Device:** To ensure system integrity, Dynamic Ratings supplies the utility with a second set of preconfigured instruments for security testing. After successful testing, these instruments are delivered by the utility to the job site.
- **Reclaim and Prepare for the Next:** Dynamic Ratings retrieves the factory test instruments for reuse on future transformer orders and installs the security-verified instruments on site—

DYNAMIC RATINGS

An ISO 9001, ISO 14001, ISO 27001, ISO 45001 Certified Company.

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