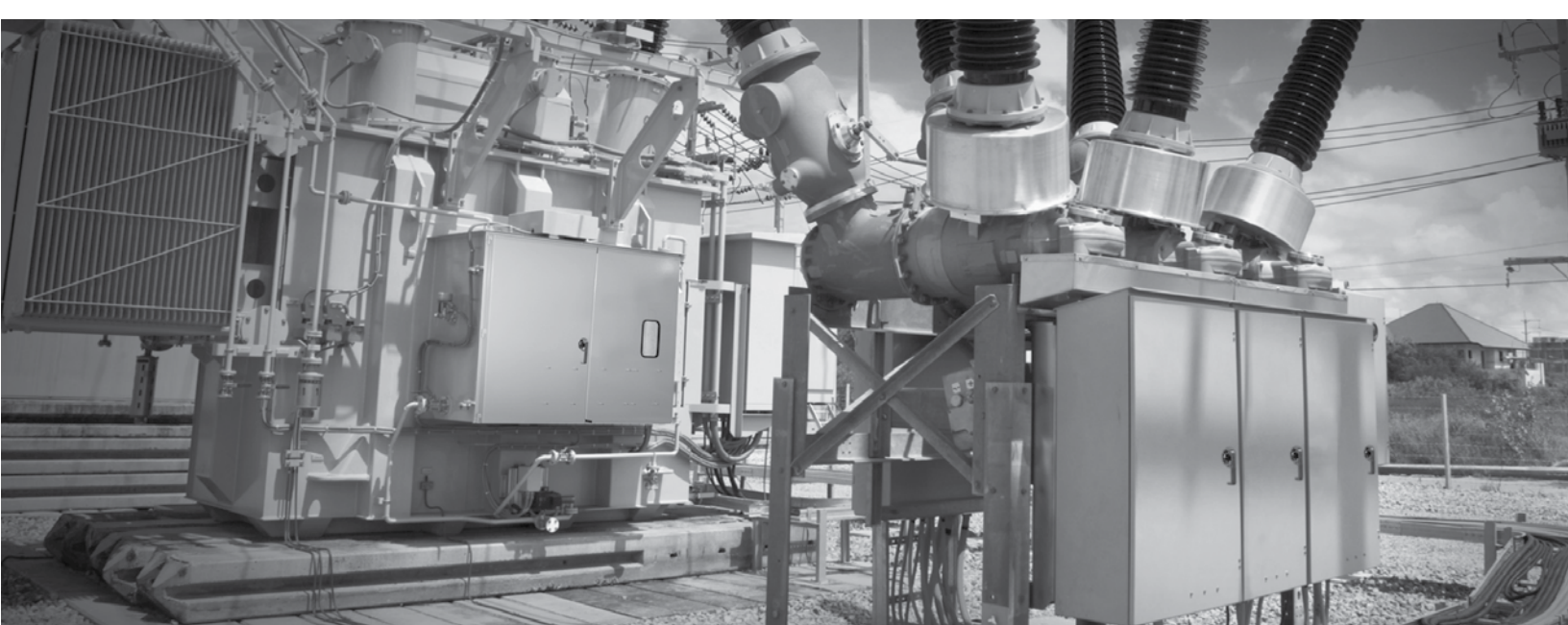
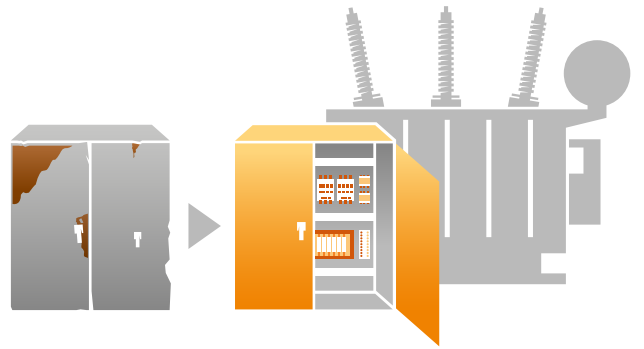


# REFURBISHING OF CONTROL CABINETS FOR POWER TRANSFORMERS



**N**  
**NOMOS™**

CONTROL CABINETS AND ELECTRICAL  
APPARATUS FOR HIGH VOLTAGE EQUIPMENT

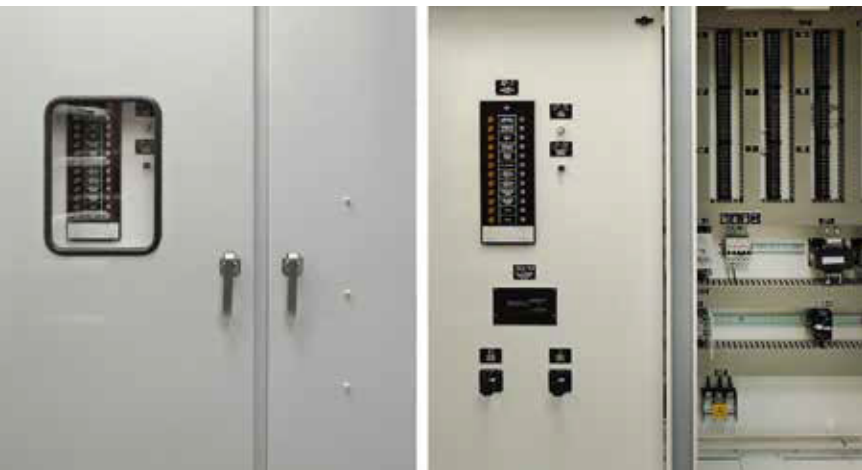
[nomosystemes.com](http://nomosystemes.com)

# MANY ACHIEVEMENTS. ONE SPECIALIZED PARTNER.



**The replacement** of control, automation, monitoring and conditioning components plays a critical role in extending the lifetime of power transformers. The refurbishing of control cabinets requires sharp expertise. Nomos is the North American specialist in the design, electrical engineering and manufacturing of customized control cabinets for power transformers.

Whether it be for the replacement of a control cabinet directly at the substation or at your power transformer refurbishing plants, we manage every aspect of control cabinet refurbishing up until startup. Our robust, customized products can include circuits and interfaces for all standard accessories as well as for any electrical apparatus or component installed on a transformer.



**OUR EXPERIENCE COMPLEMENTS  
YOURS. WITHOUT A DOUBT,  
NOMOS IS YOUR KEY PARTNER.**

## **ROBUST AND REASSURING PROJECT MANAGEMENT**

A personalized client relationship governed by robust, documented processes ensures your project will be successfully completed on time and on budget.

- A transparent and proactive client-provider relationship
- A regulated and reassuring process
- Compliance tests and controls
- Full deadline compliance

## **NOMOS: A LOGICAL AND OBVIOUS CHOICE**

Since 1989, we have specialized in control cabinet design and manufacturing for power transformers. Over the years, we've developed a proven, reliable approach that combines best skills and best practices.

- Thousands of projects completed
- Up-to-date knowledge of North American standards
- Access to the best available components

## HIGHLY SPECIALIZED DESIGN AND ELECTRICAL ENGINEERING

We have made control cabinets for power transformers our specialty and have an established reputation recognized by the industry's key players. Our know-how and processes focus on offering an optimal, reliable and compliant solution through a flexible, professional business relationship.

- Senior technical expertise
- Detailed engineering

## RELIABLE AND SUSTAINABLE MANUFACTURING

Control cabinets are perfectly assembled and tested according to your specifications, your clients' requirements and industry standards.

- Production engineering integrated with manufacturing
- Specification-compliant assembly
- Compliance with industry standards
- Confirmed quality

## TECHNICAL SUPPORT AND SERVICE

To complement our products' reliability, we provide you with technical support and customer service that offer total peace of mind.

- Readily accessible customer service to answer all your questions and quickly solve any problem
- Onsite servicing by a qualified expert for fast and smooth resumption of operations
- Customer service for replacement parts or alternatives

## FULL COMPLIANCE WITH REQUIREMENTS AND INDUSTRY STANDARDS

### STANDARDIZED DESIGN

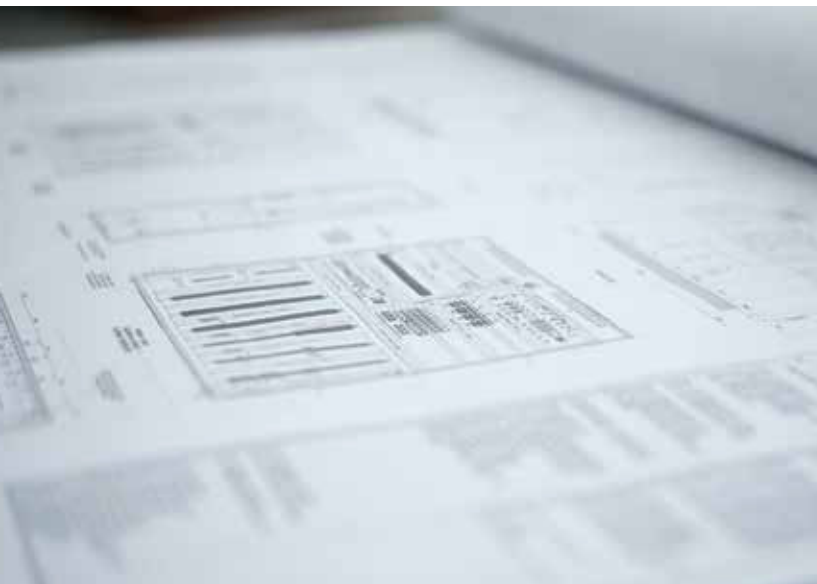
- CSA and UL certified design, compliant with IEEE C57.148 standard if required
- ONAF, OFAF and ODAF standard control circuit, including Auto/Off/Manual and load stage selector switch
- Interface for level gage alarm, control and protection signals, pressure relay and other transformer components
- Temperature monitoring for critical applications
- Component integration: annunciator, on-load tap-changers, transfer switch, temperature controller, fiber optic sensors and more
- Programming and configuration of controllers, protection relays and communication networks
- Standard terminal layout to control cooling, alarms, trigger circuits and test switches
- Comprehensive set of drawings and wiring plans and diagrams, a layout plan and a hardware list

### ROBUST COMPONENT SELECTION

- Robust manufacturing terminals for alarms, control, power and measuring
- Terminals for current transformer and test switch
- Protection relays, temperature controller, remote terminal, annunciator, tap-changer controller and power transformer monitoring system
- Choice of communication medium such as copper, optical fiber, radio or satellite, according to the required protocol and available infrastructure (DNP3, IEC 61850 and more)
- Robust accessories: GFCI receptacles, heating, ventilation and drain

### SPECIALIZED MANUFACTURING

- Robust NEMA/IEC cabinet for outdoor use made of painted or stainless steel
- Inside doors, 3-point handles, rain protector and industrial-grade hardware
- Support for gages or other components
- Gland plate and external/internal NEMA ground pad
- SIS, ETFE, MTW/TEW wiring
- Numbering and labeling system compliant with client requirements and IEEE Std C37.2
- Provision for cabinet assembly on equipment





## About Nomos

**Since 1989**, Nomos has specialized in electrical design, detailed engineering and manufacturing of customized control cabinets and electrical apparatus for high voltage equipment. Our reputation with the world's most important manufacturers of high voltage equipment is based on thousands of control systems in hundreds of power substations throughout North America.

Our renowned experience, our robust processes and the overall quality of our solutions make Nomos a first-rate, proactive partner.

## About your project

### WE WANT TO KNOW MORE ABOUT YOU

Do you have a specific project or particular challenge? Contact us today. We will be happy to speak with you in order to better understand how Nomos can help you. We have a wide offering and have tremendous capabilities. Our approach is unique. Our commitment is unconditional. Working closely with you, we will develop the customized solution that perfectly suits your needs.



1-888-891-9036

[nomosystemes.com](http://nomosystemes.com)

ISO 9001:2015 certified

