



Dynalectric

Oregon

An EMCOR Company



SERVICES

Collaborative Electrical Solutions from a Proven Industry Leader

The Oregon division of Dynalectric (Dynalectric Oregon) **delivers a full line of innovative electrical solutions that address the specialized industry needs of clients**, including: design-build and design-assist projects; turnkey electrical services; voice/data, fire alarm, and security installations; low- and high-voltage systems; special process control systems transmission; distribution, substation, and power generation services; and on-call electrical service.

**HUNDREDS OF PROJECTS.
SEVEN MAJOR MARKETS SERVED.**

Biotech and healthcare

Commercial

Education

Entertainment and hospitality

Infrastructure

Public and government

Manufacturing

Electrical Solutions

Dynalectric Oregon delivers a full line of innovative electrical solutions, including:

- > Design-build electrical services
- > 3D Modeling
- > Substation and transmission
- > Alternative energy
- > Instrumentation and process controls
- > Low voltage
- > Fire alarm/VESDA

Alternative Energy

We offer a range of alternative energy services, including consulting, installation, and maintenance, designed to help clients take full advantage of today's most popular renewable energy solutions.

They include:

- > Fuel cells, biomass systems
- > Solar array location surveys
- > Roof structure reviews of wind loading and dead load capacity
- > Tax credit and rebate estimates
- > Maintenance and repair
- > Assistance with Oregon Energy Trust application and inspections
- > 20-year kilowatt hour production projections
- > Test and commission systems
- > Solar array and inverter warranty
- > System training

Commercial

Our experience has helped make it an ideal choice for any large scale office or mixed-use project. Our commercial services include:

- > Complete electrical
- > Sumitomo ABF fiber system
- > Access control systems
- > AV systems
- > DAS systems
- > Fire alarm, HVAC, and building controls
- > High voltage
- > Emergency power generation
- > Industrial controls

Dynalectric Oregon

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Data Centers

Dynalectric is the premier electrical contractor for mission critical projects in the Pacific Northwest building over 250 Megawatts (MW) of critical power for multiple major tech companies in the past five years.

Dynalectric services include:

- > Design-build engineering
- > Neher-McGrath thermal studies
- > Electrical distribution systems
- > Back-up power generation systems
- > Electrical Power Monitoring System (EPMS)
- > Instrumentation and Programmable Logic Controls (PLC)
- > Direct Digital Controls (DDC)
- > Lighting and lighting control systems
- > Medium voltage cabling, splice, and terminations
- > Fiber optic cabling and termination
- > Voice and data systems
- > Fire alarm and VESDA Systems
- > Security systems

Healthcare

Dynalectric's goal is to deliver top quality electrical systems, with no visibility or impact to patients, doctors, or support staff.

Services include:

- > Power, lighting, and lighting controls
- > Teledata
- > Fire alarm systems
- > Nurse call systems
- > Standard x-ray imaging suites
- > PET-CT fluoroscopy
- > MRI machines and intraoperative MRI systems

Services and Special Projects

Dynalectric has an electrician on-call 24 hours a day, 7 days a week and can handle virtually any electrical project at a time that is most convenient for the client.

- > Tenant improvement of existing and remodeled commercial spaces
- > Lighting controls systems, design, and installation
- > Lighting maintenance and LED energy-efficiency upgrades
- > Infrared thermal maintenance scanning and reporting
- > Commercial building electrical distribution and panel board maintenance programs
- > Fire alarm design and installation in all types of applications
- > Direct digital HVAC controls system integration and replacement
- > PLC and instrumentation process control systems
- > Medium-voltage construction, service, and upgrades

Technology

Dynalectric is focused on providing customers with state-of-the-art cabling infrastructure solutions that support both single and multi-floor tenant buildings, large multi-building campus environments, and mission critical data centers.

Services include:

Wireless access point installation, designing, installing, testing, and maintaining fiber-optic systems, specializing in fusion splicing, multi-mode and single-mode fiber-cable termination, Optical Time-Domain Reflectometer (OTDR) testing, power meter and light-source testing, and various other types of repair work.

ELECTRICAL SERVICES INCLUDE:

AC/DC power systems

Alternative power solutions

- Calibration loop checks
 - CATV, CCTV
 - Card access systems
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Cogeneration

Complete 24/7/365 emergency services

Customized maintenance programs

- Onsite
 - Planned/predictive/preventive
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Design build services

- Emergency power generators/UPS systems
 - Fire alarm systems
 - High and low voltage services
 - Switchgear
 - Cabling
 - Splicing
 - Testing and fault locating
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Infrared imaging

- Instrumentation Programmable Logic Controls (PLC)
 - Direct Digital Controls (DDC)
 - Digital Control Systems (DCS)
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Network design

- Installation and integration services
 - Fiber optic cable systems
 - Voice/data (Cat5e/Cat6)
 - Wireless solutions
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Paging, nurse call, sound and audio/visual systems

Structured Cabling Systems (SCS)

Lighting retrofits and controls

Payback and technical feasibility

Value engineering
