

# Metal Enclosed Products

Design. Build. Deliver.  
Efficient and effective  
integration.



# Integrated manufacturing capability for both standard and custom solutions

Avail Switchgear Systems coordinates a turnkey manufacturing process, communicating and ensuring accurate and timely design/engineering, component selection, fabrication, testing and installation.

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## Design

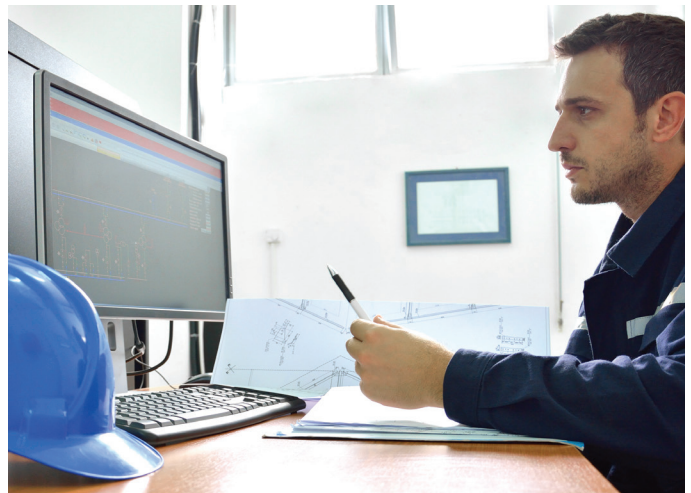
Avail's team of electrical-mechanical designers and engineers bring engineering depth, industry expertise, and broad in-house capabilities. Whether you are planning for a new facility, upgrading an existing one, or retrofitting your current power transmission, distribution or quality system, We will work with you to find a value-oriented solution.

## Build

Our commitment to building better products begins with high-quality materials and continues through the integrated manufacturing process. We fabricate, weld, paint, assemble, test and re-test, all in our manufacturing facility. This keeps the entire process flexible—allowing you to choose the components you want and allowing us to manufacture off-the-shelf and custom power solutions to meet your specifications and deadlines.

## Deliver

The value of our integrated manufacturing process and sophisticated Quality Control System becomes most apparent at installation. Avail's products are designed and built with installation in mind. Our innovative designs lead to reduced shipping splits and shorter assembly times. Meticulous testing programs provide reduced installation time and reduced expense on-site.





# Substation products

## Metal Clad Switchgear

- All welded construction
- 5–38 kV
- 1200 to 3000 amp
- Custom design
- Stainless steel main bus shroud
- Base undercoating for added protection
- Heavy duty structural channel base
- Indoor or outdoor construction, aisle options available



Standard Metal Clad Switchgear (1-H & 2-H)			
Rated Maximum Voltage (kV)	BIL (kV)	Max. Continuous Current (A)	Short-Circuit Rating (kA)
5	60	1200	25 31.5, 40 50 & 63kA
		2000	
		3000/4000A FC*	
15	95	1200	25 31.5, 40 50 & 63kA
		2000	
		3000/4000A FC*	
27	125	1200	25 & 40
		2000	
		2750	
38	150	1200	25 & 40
		2000	
		3000 FC*	

\* FC denotes forced cooling.

## Metal Enclosed Switchgear

- All welded construction
- 5–38 kV
- Up to 1200 amp loadbreak
- Up to 4000 amp non-loadbreak
- Custom design
- Base undercoating for added protection
- Heavy duty structural channel base
- Indoor or outdoor construction, aisle options available



Metal Enclosed & Hybrid Switchgear			
Rated Maximum Voltage (kV)	BIL (kV)	Max. Continuous Current* (A)	Short-Circuit Rating** (kA)
5	60	1200 Loadbreak	25kA & 40kA
		4000A Non-Loadbreak	
15	95	1200 Loadbreak	25kA & 40kA
		4000A Non-Loadbreak	
25	125	1200 Loadbreak	25kA & 40kA
		2000A Non-Loadbreak	
35	150	600 Loadbreak	25kA & 40kA
		1200A Non-Loadbreak	

\* Nominal switch ratings. Integrated switchgear unit may be limited by bus ratings.

\*\* Nominal switch ratings. Integrated switchgear unit may be limited by fuse ratings.

# A commitment to quality from beginning to end

We manufacture to our customer's needs. Our business model is built around customization and flexibility through a fully integrated manufacturing process for the utility, renewable, commercial and industrial markets. Our meticulous Quality Control System ensures Avail equipment is installation-ready upon delivery. Our commitment to quality translates into long-term value for you.

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## Manufacturing efficient and effective solutions

Our 50,000 square-foot office and manufacturing facility in Oshkosh, WI was custom-built to maintain diversity of products and flexibility. It was designed specifically to accommodate Avail's fully-integrated manufacturing process. Our location provides fast, cost-effective access to the interstate highway system, rail systems, and international airports.

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## Capabilities

- Welding: 8 bays all welders AWS Certified
- Overhead crane operations
- Metals offered: mild steel, galvanized steel, aluminum, stainless steel (3 grades)
- Laser cutting capabilities
- Turret punch capabilities
- Large capacity overhead doors
- Shearing capabilities
- Forming capabilities
- Gang drilling, drill presses
- Full paint capability to include:
  - C57.12.28 Standard
  - C57.12.29 Coastal



[availinfra.com/switchgear-systems](http://availinfra.com/switchgear-systems)

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