

ENGINEERING SERVICES

Custom Solutions & Outdoor Enclosures

Beyond our standard HR Series, Halden Systems offers fully customized rack and enclosure solutions. From modified configurations to purpose-built outdoor enclosures, we engineer solutions for your specific requirements.

CUSTOM CAPABILITIES

- ← **Modified Rack Configurations**
Non-standard heights, widths, depths, and door configurations
- ← **Outdoor & Weatherproof Enclosures**
NEMA 4X, IP66 rated enclosures with integrated climate control
- ← **Custom Colors & Branding**
RAL color matching, logo placement, custom labeling
- ← **Integrated Thermal Management**
Air conditioning, heat exchangers, fan systems
- ← **Special Access & Security**
Biometric, card reader, multi-point locking systems
- ← **Pre-Integration Services**
Factory-installed PDUs, cabling, and equipment mounting



OUTDOOR ENCLOSURES



Protection Rating	NEMA 4X / IP66
Climate Control	Integrated AC available
Operating Temp	-40°C to +55°C
Construction	Powder-coated steel/aluminum
Mounting	Pad, pole, or wall mount

APPLICATIONS

Edge Computing	5G, IoT gateways
Telecommunications	Cell sites, fiber hubs
Industrial	Manufacturing, utilities
Transportation	Rail, traffic systems

CUSTOMIZATION OPTIONS

Dimensions

Any height, width, or depth to match your space and equipment

Door Styles

Solid, perforated, glass, split configurations

Colors

Full RAL palette, custom matching, corporate colors

Thermal

AC units, heat exchangers, filtered ventilation

ENGAGEMENT PROCESS

1

Consult

2

Design

3

Quote

4

Build

5

Deliver

Start Your Custom Project

Contact our engineering team to discuss your requirements. We provide detailed drawings and specifications for approval before production. Volume pricing available for fleet deployments.

Lead Times: Custom projects typically 4-8 weeks depending on complexity. Outdoor enclosures with integrated cooling may require additional time.

Minimum Order: No minimum for standard modifications. Fully custom designs may require MOQ based on tooling requirements.