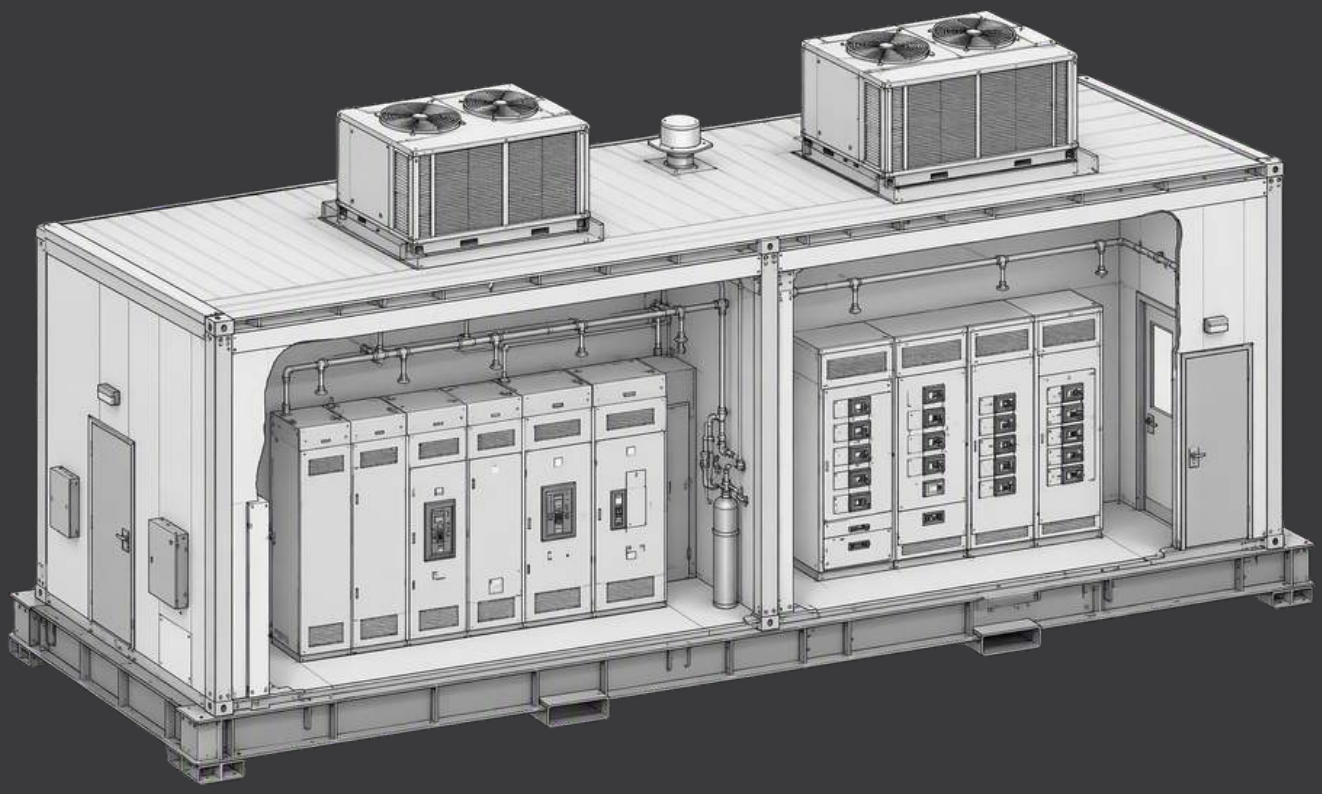
M3 COMPONENTS

PRODUCT CATALOG



DATA CENTERS

Factory-built MEP infrastructure for the energization date that drives your schedule.

Engineered, fabricated, and tested in Sacramento, California.

M3 COMPONENTS, LLC | 2031 OPTISOLAR LANE, MCCLELLAN, CA 95652

WHY THE INDUSTRY IS MOVING TO FACTORY-BUILT

Three forces are converging — and all three point to the factory.

Energization is revenue	Equipment lead times average 42+ weeks and most projects slip 3+ months. Every week recovered on the MEP critical path is capacity online sooner — prefab builds in parallel, indoors, ahead of the site.
The electrician gap	Electricians are the most acute shortage in US construction — exactly the trade data centers consume most. Factory assembly multiplies the output of every scarce field electrician.
Liquid cooling changes the build	~80% of new facilities adopt liquid cooling by 2030, shifting weight into mechanical scope. Factory-fabricated, pressure-tested distribution is how that scope gets built on schedule.

FASTER ENERGIZATION STARTS IN THE FACTORY

M3 Components is an industrialized construction manufacturer for data centers. We build critical components in a factory so they arrive ready to install. As the manufacturing division of Mark III, a Sacramento MEP contractor with 50 years of trade experience, we move work off the jobsite and into a controlled environment, where prefabricated components are coordinated, built, and quality-checked before they ship.

From power distribution and liquid cooling infrastructure to modular electrical rooms, multi-trade racks, and mechanical plant skids, our products reduce on-site labor and congestion, improve quality and predictability, and speed installation. The result is a faster path to energization and capacity online, which means faster revenue.

340K SF	50 yrs	100%	A/B/C
HQ & manufacturing facility	MEP expertise	Factory-tested before shipment	Published lead-time classes

Every product in this catalog carries a model number, standard configurations, and a lead-time class — because buying construction scope should feel like buying equipment.

SELECT THE RIGHT PRODUCT FOR YOUR FACILITY

How to read model numbers, plan around lead times, and get the most from working with M3 Components.

Reading a model number

M3-TCS-CDU *Brand · Product line · Configuration*

Lead-time classes

A **Standard configurations** — Ships in 2–4 weeks from release. Cataloged, repeatable, in-stock components

B **Configured to order** — 6–10 weeks. Standard platform, project-specific dimensions and options

C **Engineered to order** — 12–16+ weeks. Custom engineering with our preconstruction team collaborating with yours

Lead-time classes are planning targets; confirmed at order acknowledgment.

Three ways to work with us

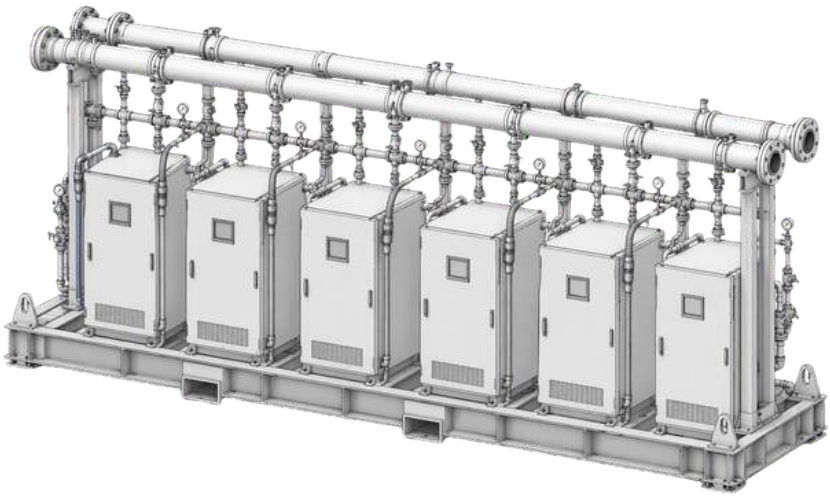
Direct PO	Order products like equipment with deposit plus progress billing, published lead-time class, and factory test documentation with every shipment.
Program agreement	Multi-project master agreement: standardized configurations, locked pricing structure, and reserved factory capacity across your capital plan.
Owner-furnished (OFCI)	Owners procure M3 Components products directly — like switchgear or chillers — and furnish to their GCs. Matches how leading owners already buy long-lead equipment.

Capacity note: manufacturing slots are allocated in order of commitment — program partners receive schedule priority.

M3-TCS

LIQUID COOLING DISTRIBUTION INFRASTRUCTURE

The piping layer of the liquid cooling era — OEM-agnostic, pressure-tested, on schedule.



100%

of distribution assemblies factory pressure-tested before shipment — leaks found in our shop, not your data hall

- *Coolant and condenser water distribution: headers, manifolds, spool sets, CDU integration skids*
- *Works with any CDU/cooling OEM — your technology choice stays open*
- *Fabricated in parallel with site work; installed in module-sized picks*

TYPICAL APPLICATIONS

AI/HPC data halls · Liquid-cooling retrofits · Hyperscale and colocation campuses · Edge/regional sites

STANDARD CONFIGURATIONS & SPECIFICATIONS

MODEL	ASSEMBLY	RANGE	LEAD TIME
M3-TCS-HDR	Distribution headers & spools	2"–16", CS/SS/CPVC per spec	B
M3-TCS-MAN	Row/rack manifold assemblies	Per rack program	B
M3-TCS-CDU	CDU integration skids	OEM-agnostic	C
M3-TCS-CWX	Condenser water skid sets	Per plant design	C

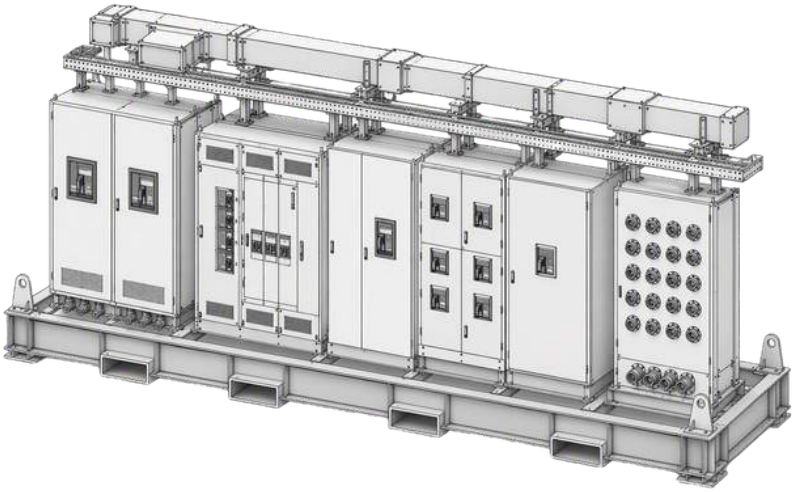
Options: Insulation packages · Leak-detection integration · Quick-connect terminations · Chemical/flush services coordination

Compliance & Testing: Weld procedures and pressure test records per assembly · Cleanliness/flush documentation for coolant loops

Specifications are preliminary planning data; confirmed on project-specific submittals.

M3-PWR

POWER DISTRIBUTION & CX QUICK-CONNECT SKIDS



WEEKS RECOVERED

commissioning quick-connect skids let IST prep run in parallel instead of in series on the critical path

- *Packaged PDU, paralleling, and distribution skids — factory-wired and point-tested*
- *CX Quick-Connect: pre-engineered load-bank and test connections that make commissioning plug-in, not build-in*
- *Integrates owner-furnished gear — we build around your switchgear allocation*

Attack the power path — the No. 1 schedule bottleneck in the industry.

TYPICAL APPLICATIONS

Hyperscale and colocation power paths · Commissioning/IST programs · Phased capacity additions · Edge sites

STANDARD CONFIGURATIONS & SPECIFICATIONS

MODEL	SKID TYPE	RANGE	LEAD TIME
M3-PWR-PD	Distribution skids	480V–MV, per one-line	C
M3-PWR-CX	CX quick-connect skids	Per commissioning program	B
M3-PWR-GP	Generator paralleling support	Per plant	C

Options: Owner-furnished equipment integration · Busway terminations · Monitoring/BMS integration

Compliance & Testing: UL-listed components · Point-to-point and function testing documented per skid · NETA-coordinated turnover packages

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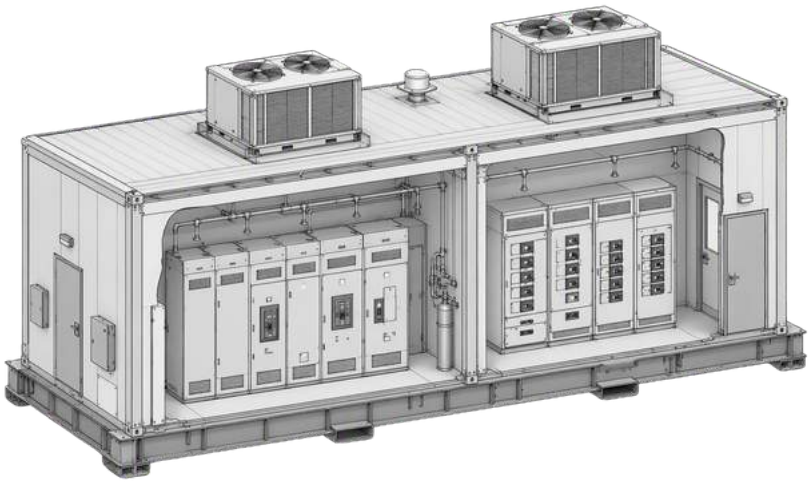
M3-EHX

MODULAR ELECTRICAL ROOMS / E-HOUSES



15–20%

of a data center's electrical scope lives in electrical rooms — the highest-value prefab move on the project

- *Factory-built MV/LV rooms: structure, gear installation, wiring, HVAC, fire protection — energization-ready*
- *Built around your gear: owner-furnished switchgear integrated on our line*
- *Parallel-path construction: rooms fabricate while foundations pour*

The power room, delivered — while your site is still dirt.

TYPICAL APPLICATIONS

Hyperscale power rooms · Colocation capacity blocks · Substations · Edge/regional facilities (1–10 MW)

STANDARD CONFIGURATIONS & SPECIFICATIONS

MODEL	ROOM TYPE	SCALE	LEAD TIME
M3-EHX-LV	LV electrical rooms	Per one-line	C
M3-EHX-MV	MV rooms / unit substations	Per one-line	C
M3-EHX-ED	Edge power/cooling module	1–10 MW sites	C

Options: Integrated UPS/battery rooms (partnered) · Fire suppression · Arc-flash mitigation design · Exterior enclosure ratings

Compliance & Testing: UL/NEC-compliant assemblies · Factory function testing with your commissioning agent invited to witness

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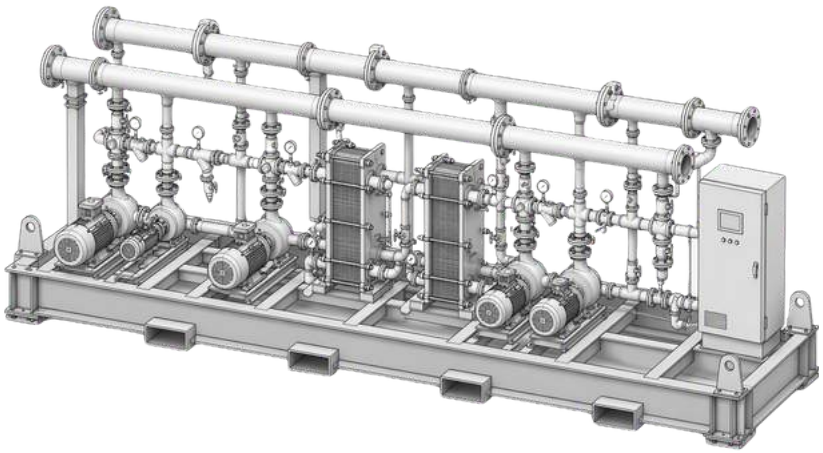
M3-FWS

MECHANICAL PLANT SKIDS



RUN-TESTED

pumps, headers, and controls operated at the factory — startup surprises stay in Sacramento

- *Pump skids, header assemblies, and plant modules factory-piped and wired*
- *Modular sections sized to shipping envelopes and crane plans*
- *Direct companion to M3-TCS distribution for complete cooling delivery*

Your central plant, run-tested before it ever sees the site.

TYPICAL APPLICATIONS

Chilled/condenser water plants · Heat-rejection systems · Phased plant expansions

STANDARD CONFIGURATIONS & SPECIFICATIONS

MODEL	SKID TYPE	RANGE	LEAD TIME
M3-FWS-PMP	Pump & header skids	Per plant design	B
M3-FWS-PLT	Plant modules	Modular sections	C
M3-FWS-HX	Heat exchanger skids	Per design	B

Options: Controls/BMS integration · Vibration isolation · Acoustic treatment · Future-capacity provisions

Compliance & Testing: Hydro testing and run testing documented per skid · ASME piping practices

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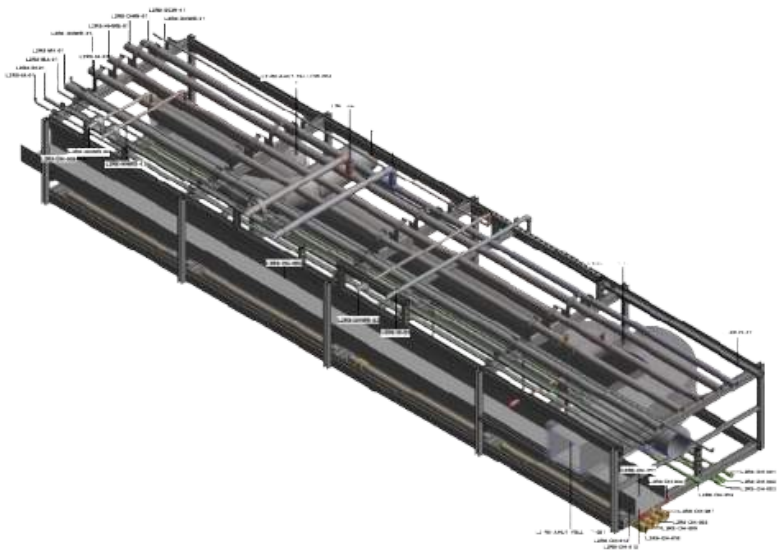
M3-RAK / M3-CVY

MULTI-TRADE RACKS & CONVEYANCE



ELECTRICIAN MULTIPLIER

pre-assembled tray, busway supports, and conduit racks multiply the output of the scarcest trade on your project

- *Overhead multi-trade racks: tray, conduit, piping, supports — braced and tested*
- *Pre-assembled duct bank sections for site power distribution*
- *Standardized modules = predictable install rates your schedule can bank on*

Miles of distribution, built by the mile — not by the ladder.

TYPICAL APPLICATIONS

Data hall overhead distribution · Electrical room-to-hall routing · Site duct banks · Campus utility corridors

STANDARD CONFIGURATIONS & SPECIFICATIONS

MODEL	ASSEMBLY	MODULE	LEAD TIME
M3-RAK-D	Overhead multi-trade racks	20'–40' modules	B
M3-CVY-DB	Duct bank sections	Per site plan	B
M3-CVY-TR	Tray/busway support racks	20' modules	A

Options: Seismic bracing per site criteria · Grounding integration · Identification/labeling programs

Compliance & Testing: Support engineering per project criteria · Torque and continuity documentation per module

Specifications are preliminary planning data; confirmed on project-specific submittals.

BUILT INDOORS. TESTED BEFORE IT SHIPS.

Quality starts on the factory floor.

Factory QA

Documented weld, pressure, and electrical testing at station — every assembly ships with its test record.

Weather-Free Build

Zero weather days, controlled tolerances, clean assembly — the conditions field work never gets.

Wrapped & Protected

Shrink-wrapped, braced, and staged for just-in-time delivery to your site or laydown.

Owner-Furnished Ready

We integrate your procured gear – switchgear, CDUs, pumps – into our assemblies, matching how leading owners already buy long-lead equipment.

Digital delivery: Parametric BIM content for every product line — and a configurator (coming in 2027) that returns model, budget price, and lead-time class in minutes.

START YOUR PROJECT IN THE FACTORY

Your opening date doesn't wait for perfect conditions. Our factory doesn't need them.

1 CONSULT

A working session with our engineers on your live project. Bring your team, and we'll map your scope to our models.

2 QUOTE

Pick one project and one product family. Get fixed pricing and a lead-time commitment, decision-ready in 30 days.

3 SEE IT BUILT

Tour the factory. Walk the line, meet the trade craft, and see your products in production.

REQUEST A QUOTE.
BOOK A CONSULTATION.

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