FULLY INTEGRATED SOLUTIONS

POWERED. ENCLOSED. COOLED.



FOR PERFORMANCE, EFFICIENCY, AND UPTIME.

Toromont Power Systems, AVL, and CIMCO offer expertise in critical power, engineered packaging, and high-performance cooling, together under Toromont Industries. The result is a more connected conversation around the systems that shape performance, site fit, and long-term operation.

TOROMONT Power Systems CAT

AVL

TOROMONT | CIMCO

INTEGRATED EXPERTISE WHERE IT MATTERS MOST

Power, packaging, and cooling are distinct systems, but the decisions behind them are closely connected.

Toromont Power Systems, AVL, and CIMCO can combine their expertise earlier in a project, helping data centre teams coordinate critical infrastructure around performance, site, and lifecycle requirements.







POWER

Power Solutions for Critical Infrastructure

Critical power is more than backup capacity. The right system has to respond to load, integrate with controls and switchgear, support resiliency objectives, and remain serviceable over the life of the facility.

Toromont Power Systems combines Cat power technology with application expertise to help data centre teams develop generation strategies around their operating requirements, from standby generation to on-site power solutions.

+ **PROVEN CAPABILITY:**
  Experience delivering complex, paralleled multi-unit power systems for data centre applications.
+ **SYSTEM INTEGRATION:**
  Generator sets, controls, automatic transfer switches and paralleling switchgear configured as a coordinated power system.
+ **BUILT FOR CRITICAL LOADS:**
  Cat generator sets delivering the reliability, load response performance, and scalable controls required for demanding power applications.
+ **LIFECYCLE SUPPORT:**
  Support that extends from equipment selection and system design through integration, project management, and commissioning, backed by trained technicians, genuine Cat parts, and 24/7/365

COOLING

Industrial-Scale Cooling for High-Density Data Centres

Rising rack densities are changing the scale of the cooling challenge. As AI and high-performance computing drive larger thermal loads, data centres increasingly face conditions long familiar to industrial facilities.

CIMCO brings more than a century of industrial thermal experience to that challenge, with capabilities spanning engineering, design, manufacturing, installation, and service.

+ **NATURAL REFRIGERANT EXPERTISE:**
  Low-charge ammonia offering proven thermodynamic performance and reliability, with zero global warming or ozone depletion potential.
+ **ENERGY + RESOURCE PERFORMANCE:**
  Natural refrigerant systems offering improved energy efficiency while reducing electricity and water consumption.
+ **BUILT FOR LONG-TERM CHANGE:**
  Potential for PFAS and TFA avoidance, waste heat recovery, and reuse of recovered heat to reduce fossil fuel demand.
+ **LIFECYCLE SUPPORT:**
  Support that keeps thermal systems performing over time, including engineering, design, controls, service, parts, maintenance, and 24/7 emergency support.

PACKAGING

Engineered for Every Condition

A generator's performance is impacted by its environment. Sound limits, vibration, airflow, weather, footprint, service access, and structural requirements all influence how critical power equipment must be packaged for a specific site.

AVL engineers and manufactures custom enclosures around those real-world conditions, integrating protection, performance, and maintainability into the packaged system.

+ **ACOUSTIC CONTROL:**
  Attenuation strategies engineered around approved sound requirements and site conditions.
+ **APPLICATION ENGINEERING:**
  Packaging developed around equipment configuration, airflow, protection, access, and maintenance requirements.
+ **SITE-SPECIFIC DESIGN:**
  Enclosures that can be engineered around location-specific structural and seismic requirements.
+ **MANUFACTURING CAPACITY:**
  Capability to support phased and multi-unit package requirements.

ONE CONVERSATION. THREE CAPABILITIES.

APPLICATION	INTEGRATION	SERVICE	LIFECYCLE
Start with the operating, performance, and site requirements that define the project.	Coordinate decisions across defined power, packaging, and cooling scopes.	Draw on established technical and field support organizations before, during, and after implementation.	Maintain access to specialist support beyond delivery and commissioning.

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BETTER COORDINATION. LOWER PROJECT RISK.

Considering critical systems together earlier makes it easier to identify the connections between power strategy, equipment packaging, cooling performance, and long-term service requirements.

By working with Toromont Power Systems, AVL and CIMCO, data centre teams gain access to coordinated expertise across those areas through three Toromont Industries companies.

Whether the project is in early planning, design, expansion, or modernization, it's never too early to bring our specialists into the conversation about critical infrastructure decisions.

START A CONVERSTATION ABOUT:

- Critical and on-site power requirements
- Packaged generation and enclosure design
- Sound, vibration, and site conditions
- Cooling and thermal management options
- Natural refrigerant technology
- Service and lifecycle support

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