



LANGLEY

GRID-FREE POWER.
ALWAYS ON.

We have the power.



Marelli Motori
Powering the future®

BERGEN
ENGINES

ON LAND. AT SEA.



PILLER

Power Systems

Nothing protects quite like Piller



POWER SOLUTIONS **DIVISION.**

Marelli Motori | Bergen Engines | Piller Power Systems

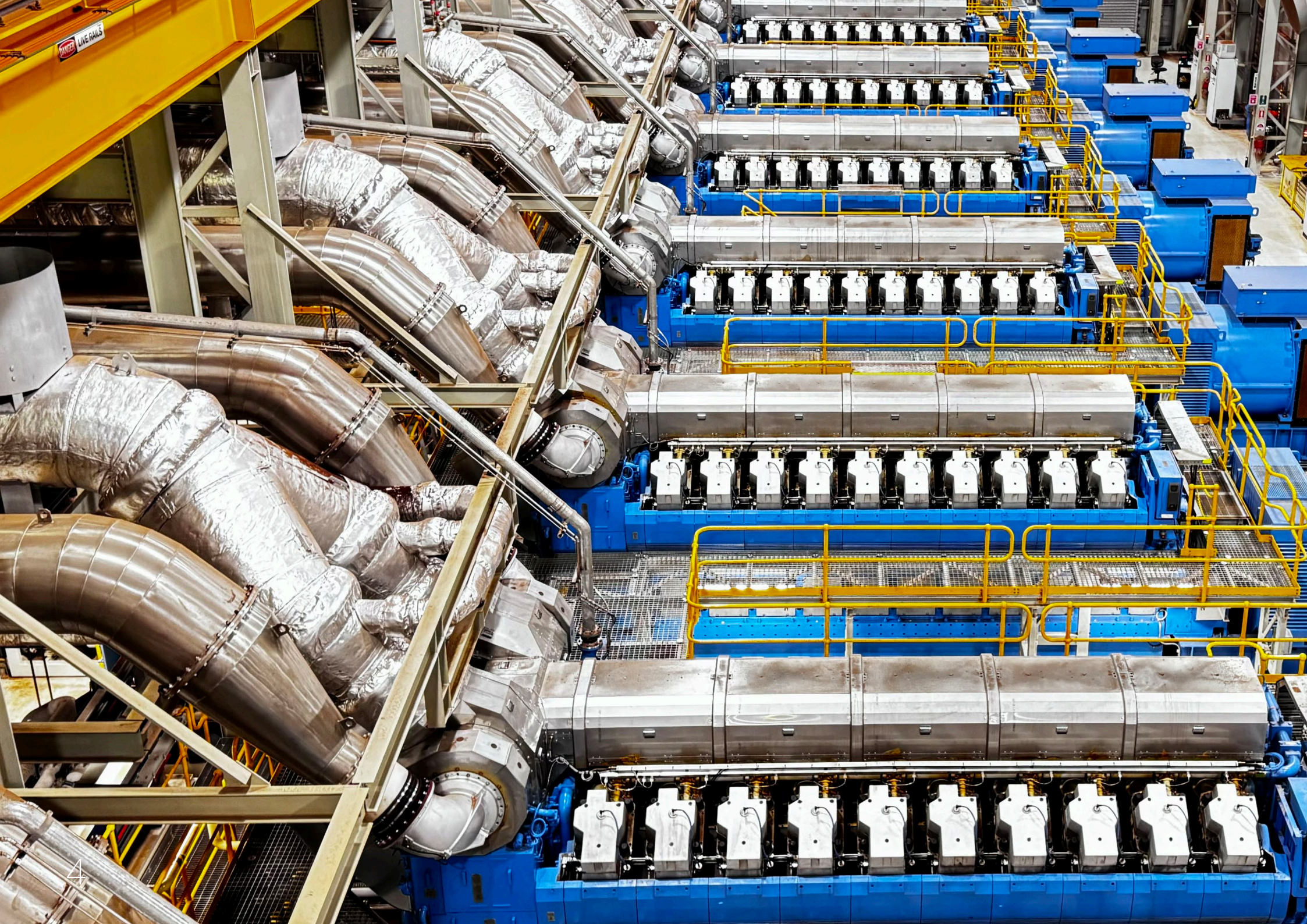
Langley's Power Solutions Division brings together three globally respected engineering leaders – Bergen Engines (formerly Rolls-Royce Bergen Engines), Marelli Motori and Piller Power Systems – to deliver dependable, grid-independent power, addressing one of **the biggest challenges** facing AI infrastructure today.

With large-scale AI projects increasingly delayed by grid constraints, data center operators are shifting toward **behind-the-meter power** generation – often requiring capacities in excess of +100MW.

At the core of our solution are Bergen's medium-speed, lean-burn gas engines, seamlessly integrated with Marelli alternators and Piller's **SHIELDX™** Dynamic Power Stabilization technology.

Together, delivering power without compromise, engineered for AI's most demanding environments.

We have the power.





POWERED by Bergen-Marelli

Modular 12-Megawatt Units

Bergen's lean-burn, gas-fired medium-speed engines, paired with high-efficiency Marelli generators, deliver up to 12 MW of clean, utility-grade, **behind-the-meter power**.

Right-sized power – scale from 50 MW to 500 MW and bring your plant online faster than any other high-capacity solution, with a delivered **Time to Power** of just **18 months**. For standby security, Bergen's **rapid start-up** feature brings the engines to full load within minutes, ensuring your power is never compromised.

Hydrogen-ready from day one, Bergen engines run on natural gas or LNG, instantly blend up to **25% hydrogen** without modification, and are future-ready for full hydrogen or synthetic fuels.

Lean-burn combustion with standard-fit SCR technology slashes NO_x and CO₂ emissions, keeping you ahead of the world's toughest environmental regulations.

Turning at just 750 rpm – half the speed of conventional high-speed engines – Bergen's medium-speed platform runs smoother, lasts longer, and works harder. The result: Extended maintenance intervals, lower OPEX, and unmatched reliability. Designed for continuous duty with a **20+ year lifecycle**, and backed by Long-Term Service Agreements, Bergen delivers the uptime, resilience and performance that mission-critical power demands – answering the biggest question in modern data center infrastructure.



SHIELDX™

Dynamic Power Stabilization

PROTECTED by Piller

Dynamic Power Stabilization

SHIELDX™ is an advanced power conditioning system engineered for high-intensity **AI computing environments**, built on Piller's proven Dynamic Power Conditioning and Stabilization (**DPCS**) technology. As the Gold Standard in data center power protection, Piller brings decades of expertise in delivering ultra-reliable, high-performance energy solutions to the world's most critical infrastructure – from the Federal Reserve and the NYSE, to the Bank of England, the LSE and the CIA.

Designed to manage full-scale **AI transient load steps** in real time, SHIELDX™ leverages mechanical inertia to instantly absorb power spikes and dips. Unlike battery-based inverter systems, SHIELDX™ provides true short-



Bank of England

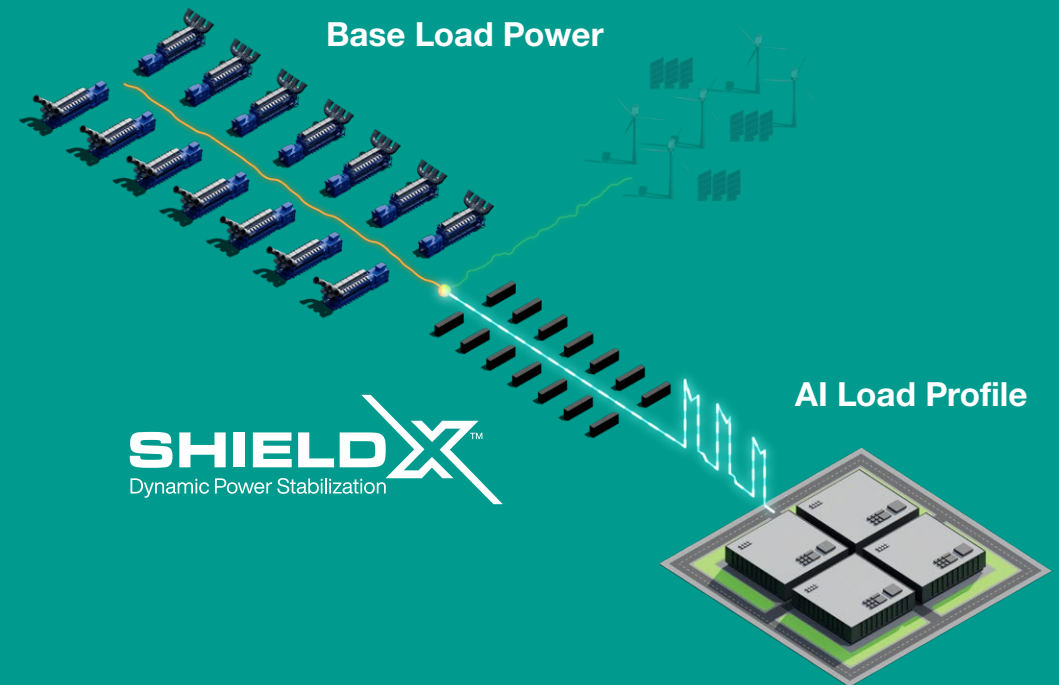


circuit contribution, **high fault-clearing capability** and zero energy storage degradation over its lifecycle — delivering continuous, uncompromised conditioning.

With full **bi-directional power** capability, SHIELDX™ delivers precise voltage and frequency stability, optimizing power infrastructure through **right-sizing** to lower CapEx, reduce maintenance and fuel costs, **cut emissions** and minimize the physical footprint.

Modular by design, SHIELDX™ is Piller's off-the-shelf solution, engineered to meet **TIER IV fault-tolerance standards** and up to **99.999% uptime**. It can be deployed with any on-site generation technology, hybrid renewables, or the utility grid, ensuring smooth, uninterrupted performance in any environment.

Nothing protects quite like Piller.





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We have the power.

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