

BIG 5

**IMPACT
TRAIL**

Pioneering sustainable
solutions for the future
of construction

Big 5 Impact Trail Product Preview

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BIG 5 IMPACT TRAIL PRODUCTS AND SOLUTIONS

Kronospan Products

Kronospan produces carbon-negative wood-based panels and engineered boards manufactured from recycled post-consumer wood, sawmill residues and sustainably managed forest timber. Designed for a zero-waste circular economy, these panels store biogenic CO₂ throughout their lifecycle to lower embodied carbon in buildings, while production relies on integrated renewable energy and water-efficiency measures.



STAND NUMBER:
2A111, Hall 2



Albion Valves (Cast-Iron Range)

Albion Valves provides durable, high-performance cast-iron valves (ball, butterfly, gate, globe, check, strainers and hydronic balancing) engineered for mechanical, plumbing and HVAC systems. By quantifying embodied carbon using CIBSE TM65 methodology, they deliver clear carbon transparency (kgCO₂e) across all sizes, helping optimize building life-cycle performance. Cast iron ensures extended service life and superior wear resistance, reducing premature replacement.

STAND NUMBER:
4A162, Hall 4

Galaxy
Engineering Services

STAR COMBO ROOF – Sustainable Spray Polyurethane Foam (SPF) Roofing & Waterproofing System

STAR COMBO ROOF is a high-performance roofing solution combining closed-cell spray polyurethane foam (SPF) insulation with a seamless, UV-resistant protective waterproofing layer. Engineered to eliminate thermal bridging and lower solar heat gains, the system significantly reduces building HVAC cooling demand, extends roof service life and lowers lifecycle carbon emissions in support of sustainable building initiatives.



STAND NUMBER:
2C149, Hall 2



Vibro Techniques, Rigid Inclusions, Compaction and Replacement Techniques & Deep Soil Mixing

Advanced geotechnical ground improvement, compaction and foundation solutions engineered to strengthen weak soils, optimize material efficiency and lower embodied carbon in structural sub-grade preparation, supporting sustainable building and circular economy initiatives.

STAND NUMBER:
1B31, Hall 1

KELLER

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BIG 5 IMPACT TRAIL PRODUCTS AND SOLUTIONS

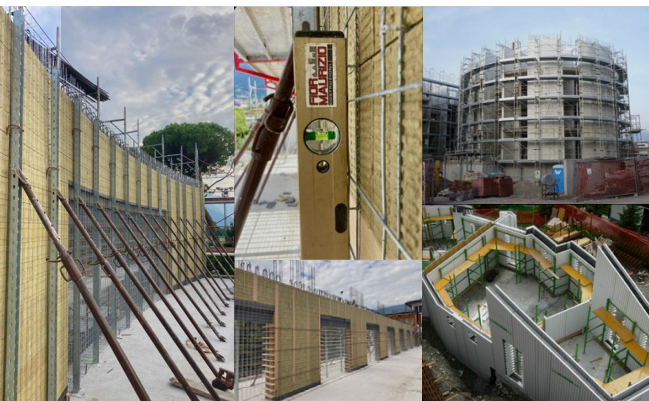
Integrated Facilities Management Solution, enabled by Energy Management and Sustainability Services

An integrated FM offering combining hard and soft services (HVAC, electrical, plumbing, cleaning and landscaping) with energy audits, retrofits, intelligent lighting, solar PV, real-time monitoring and CAFM-driven delivery to optimize resource efficiency and reduce environmental impact.



Al-Futtaim
Contracting

STAND NUMBER:
ID59, Hall 1



ECOSISM® Building System

Factory-engineered 3D construction system combining galvanized steel mesh and insulation finished with an on-site concrete pour. Custom-manufactured modules eliminate site waste, reduce logistics emissions, eliminate thermal bridges and improve energy performance.

STAND NUMBER:
2B141, Hall 2



Two-Stage Indirect/Direct Evaporative Cooling Air Conditioner with Heat Energy Recovery

Delta Breeze uses two-stage evaporative cooling and thermal-energy recovery to reduce compressor use, electricity demand and emissions. It reuses water and recovered cooling energy while delivering 100% fresh air without added humidity, supporting more sustainable buildings.



DCM

STAND NUMBER:
3A99, Hall 3



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BIG 5 IMPACT TRAIL PRODUCTS AND SOLUTIONS

Vileda Professional SWEP Pre-Prepared Cleaning System

Pre-prepared cleaning system utilizing double-sided microfibre technology, reusable textiles and resource-efficient methodology to significantly reduce water, chemical and energy consumption during professional facility operations.

vileda
PROFESSIONAL

STAND NUMBER:
4B151, Hall 4



MAEDA MC285CB-3 ECO

Fully electric, battery-powered compact crawler crane utilizing lithium-ion technology to provide zero exhaust emissions at the point of use, low-noise operation and elimination of diesel fuel reliance for sustainable lifting in urban and confined spaces.



STAND NUMBER:
3C81, Hall 3

Solstice® Low-GWP Refrigerant Solutions - L40X (R-455A), 454C (R-454C) and 454A (R-454A)

Solstice® L40X (R-455A): Optimizes commercial refrigeration with high energy efficiency and a minimal footprint.

Solstice® 454C (R-454C): Targets sustainable air conditioning, heat pumps and refrigeration to curb greenhouse gases.

Solstice® 454A (R-454A): Delivers reliable, environmentally responsible cooling performance to support long-term building decarbonization.

PRIME CO. STAND NUMBER:
4C171, Hall 4





BIG 5 IMPACT TRAIL PRODUCTS AND SOLUTIONS

Sontay GS-TIAQ-S – Total Indoor Air Quality Sensor (WELLSense)

All-in-one indoor air quality sensor measuring PM1, PM2.5, PM10, TVOC, CO, CO₂, temperature and humidity with BACnet/Modbus integration and optional E-paper touchscreen to optimize HVAC energy use and occupant health.



STAND NUMBER:
4B149, Hall 4



ECS Power Quality & Energy Efficiency Solutions

Comprehensive suite of power quality and energy efficiency systems designed to actively mitigate harmonic distortion, correct power factor, stabilize voltage and minimize electrical network losses in industrial and commercial facilities.



STAND NUMBER:
2A86, Hall 2

Natural Fibers (Acoustic, Clay and Cotton Plasters)

Renewable raw materials used as an eco-friendly alternative to wallpaper and synthetic finishes; free of microplastics and hazardous elements. Delivers up to a 10% reduction in energy costs.



STAND NUMBER:
3D85, Hall 3



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BIG 5 IMPACT TRAIL PRODUCTS AND SOLUTIONS

AeroSound® RSF - Recycled Rubber Acoustic Underlay

AeroSound® RSF acoustic underlays utilize recycled SBR rubber from end-of-life tires to divert waste from landfills and support circular economy principles. Durable and resilient, RSF minimizes impact and structure-borne noise to enhance acoustic comfort and privacy.



STAND NUMBER:
4F140, Hall 4



AGILIUM®

Agilium® is Pam Building's durable cast iron drainage system, designed with a reduced environmental footprint. It uses 99% recycled scrap metal, is fully recyclable and offers up to 30% lower weight and 20% lower CO₂ emissions than previous-generation products. Its long service life, non-combustibility and acoustic performance support more sustainable building design.

STAND NUMBER:
1C40, Hall 1



Indirect Direct Evaporative Cooler (IDEC)

High energy efficiency with significantly lower power consumption, using evaporative cooling and eliminating high-GWP refrigerants. Provides 100% fresh outdoor air, reducing emissions and improving indoor air quality. Durable, low-vibration construction extends equipment life, reduces maintenance and minimizes lifecycle waste. Supports green building initiatives such as LEED.



STAND NUMBER:
4A158, Hall 4



ebm-papst High-Efficiency EC Fan & Retrofit Solutions for Sustainable HVAC

Advanced Electronically Commutated (EC) fan and retrofit solutions (including RadiPac, FanGrid and AxiBlade) designed to replace conventional AC systems, reduce energy demand, extend equipment lifespan and provide scalable airflow.

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4B141, Hall 4



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See sustainability in action



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Big 5 Impact Trail
exhibitors

driving sustainability
in construction.

Looking for
eco-friendly products?

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