



APEX ENGINEERING

CORPORATE BROCHURE

Contact Info

sales@apexengineering.co.za
info@apexengineering.co.za



+27 60 686 9936
+27 79 757 8489



www.apexengineering.co.za



2024





WHY SETTLE FOR STANDARD WHEN YOU CAN ELEVATE?

Through our unwavering dedication to customer satisfaction, we aim to forge long-term partnerships with clients who share our commitment to quality and safety.

By understanding their unique needs and delivering tailored solutions, we seek to exceed expectations and become their trusted partner in smoke control engineering.





VISION

At Apex Engineering, our vision is to be the leading provider of innovative and reliable smoke control solutions in the commercial construction sector. We aim to set the benchmark for excellence, providing our clients with cutting-edge technologies and superior engineering expertise. With a deep commitment to professionalism and project execution, we strive to deliver exceptional results on every project.

Driven by our passion for safety and the protection of lives and property, we envision a future where smoke control is seamlessly integrated into every commercial building, ensuring the highest levels of occupant safety during fire incidents. By leveraging our expertise and staying at the forefront of industry advancements, we aim to revolutionize the way smoke is managed in construction projects, setting new standards for efficiency, effectiveness, and sustainability.

MISSION

As we continue to experience constant organic growth, we remain steadfast in our pursuit of excellence. Our team of highly skilled professionals, armed with extensive knowledge and experience, constantly seeks new avenues for innovation and improvement.

Ultimately, our vision is to create a safer future by redefining smoke control engineering. With our unwavering commitment to professionalism, project success, and customer satisfaction, Apex Engineering aims to be the go-to partner for all smoke control needs, setting new industry standards and making a lasting impact on the built environment.



ABOUT US

Apex Engineering offers cost-effective solutions in Smoke Ventilation, Smoke & Fire Curtains as well as Mechanical smoke extraction systems. We pride ourselves on finding the best solution for each ventilation situation and ensure it meets the SANS 10400-T as well as the EN102101 codes.

Apex Engineering is committed to maintaining quality standards through continuous research and development programs in all disciplines of our industry. The future of the company lies in our total commitment to quality products, continued development, and most importantly our level of service to you the customer.

Through our unwavering dedication to customer satisfaction, we aim to forge long-term partnerships with clients who share our commitment to quality and safety. By understanding their unique needs and delivering tailored solutions, we seek to exceed expectations and become their trusted partner in smoke control engineering.





OUR VALUES



FEATURES AND BENEFITS OF APEX ENGINEERING'S SMOKE CONTROL SYSTEMS

- Enable the immediate evacuation of a building
- Exhaust Smoke and Heat
- Help avoid flashover
- Contribute to a reduction in damage to property
- Allow the source of the Fire to be Pin-Pointed
- Attain a smoke-free zone
- Contain Smoke
- Allow immediate fire-fighting



OUR BRANDS

Apex Engineering has strategically aligned itself with strong brands within Europe dedicated to Smoke control & saving lives. We take immense pride in aligning ourselves with three renowned brands in Europe, each boasting state-of-the-art production facilities and technologies.

We have partnered with them and gained access to their extensive knowledge collectively with over 130 years of expertise in Smoke Control, ensuring that our offerings are always at the forefront of innovation and quality. This strategic collaboration empowers us to deliver unparalleled solutions to our clients, setting us apart from the competition.



Fire & Smoke Curtains
www.coopersfire.com



Drives + Control Panels
www.dh-partner.com



Industrial Fan Supplier
www.sodeca.com



OUR SERVICES

SMOKE VENTILATION APEX ORION AUTOMATED ROOF VENTILATOR – NSHEV 24 V DC



- Natural day-to-day ventilation
- Natural smoke exhausts in case of fire
- No Fan power consumption required
- Certified EN12101-2
- Available in Standard Chromodek®, Standard COLOURPLUS®, or Standard RAL Colours, Stainless Steel, Aluminium



MECHANICAL SMOKE EXTRACTION (MSE) – 380 V THREE PHASE



- Mechanical day-to-day ventilation
- Mechanical smoke extraction in case of fire
- Roof or duct mounted options
- Rapid smoke clearance
- F300 / F400 Options



SMOKE VENTILATION APEX AWL AUTOMATED WALL LOUVRE – NSHEV 24 V DC



- Natural day-to-day ventilation
- Natural smoke exhausts in case of fire
- No Fan power consumption required
- Certified EN12101-2
- Available in Standard Chromodek®, Standard COLOURPLUS®, or Standard RAL Colours, Stainless Steel, Aluminium



SMOKE CONTAINMENT COOPERS ELECTRO-MECHANICAL FIRE CURTAINS



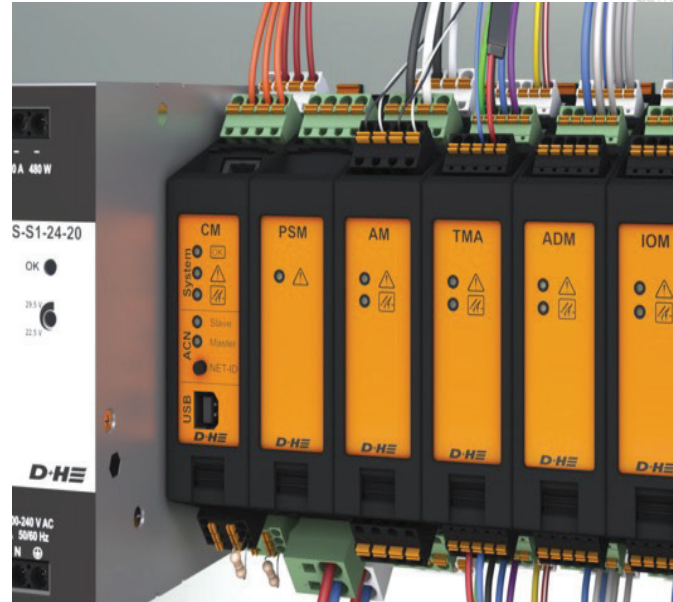
- Vertical fire curtain barrier
- Compliant to BS 8524-1, BS EN 1634-1 and UL 10D
- Electro-mechanical – 24 V DC incl. Battery Backup
- Unlimited widths and drops up to 8m
- Integrity Rating up to 240min
- Radiation Ratings up to 30min



DH MECHATRONIC AG - CONTROL PANELS 24V DC



- Natural day-to-day ventilation
- Natural smoke exhausts in case of fire
- Certified EN12101-10
- Hardware and Software Solutions for
- Bringing performance and compliance to life saving systems



CONTROL PANEL SYSTEMS MECHANICAL SMOKE EXTRACTION



- Natural day-to-day ventilation
- Our systems offer the ultimate in ventilation management
- From daily, natural ventilation to life saving intelligent systems



SMOKE CONTAINMENT STATIC OR ELECTRO-MECHANICAL SMOKE CURTAINS



- Vertical Smoke Curtain barrier
- Compliant to BS EN 12101
- Unlimited Width, Drops up to 6m* (Draft Dependent)
- Integrity Rating up to 60min



CAR PARK EXTRACTION



- Mechanical day-to-day ventilation
- Fume Extraction/control – CO Sensors
- Mechanical smoke extraction in case of fire
- Rapid smoke clearance
- F300 / F400 Options



STAIRCASE PRESSURISATION SYSTEMS



- Fire evacuation route pressurization systems are designed in accordance with the European standard EN 12101-6
- Variable frequency drive
- High precision differential pressure probe



NATURAL VENTILATION APEX FIRELIGHT MK III MULTIPURPOSE RIDGE/SLOPE VENT (450/600/750)



- Natural day-to-day ventilation
- Ridge Mounted
- Slope Mounted
- No Power required
- Natural Air Exchanges
- Low Cost / Low Maintenance
- Fusible Link Options 74°C, 100°C, 138°C, 182°C



NATURAL VENTILATION APEX H-RV (RIDGE VENT) / H-SV (SLOPE VENT)

- Natural day-to-day ventilation
- Ridge Mounted
- Slope Mounted
- No Power required
- Natural Air Exchanges
- Low Cost / Low Maintenance
- Continuous or in lengths of 2450mm





APEX ENGINEERING

To find out more,
visit our website at:

www.apexengineering.co.za



General Enquiries:

CONTACT APEX ENGINEERING FOR ALL
YOUR SMOKE CONTROL & MAINTENANCE
REQUIREMENTS

Jurgen van Niekerk - Managing Director

Tel: +27 (0) 79 757 8489

Email: info@apexengineering.co.za

Sales - Kirsten Leach

Tel: +27 (0) 60 686 9936

Email: sales@apexengineering.co.za

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