



Chemical Engineering and Ventilation Ltd.

Complete Air pollution control



www.abp-eng.com

About Us

A.B.P Chemical Engineering and Ventilation LTD is a leading supplier and designer of innovative air pollution control technologies. Our products and services variety combines over 20 years of experience, expertise and knowledge gained from hundreds of design and engineering projects around the world.

Our most valuable assets are our engineering teams. We implement and encourage challenging, outside the box thinking combined with Israeli innovation.

Thanks to our wide portfolio of executed projects and experienced engineering teams in the field of waste gas treatment and dust collection systems, **A.B.P Chemical Engineering and Ventilation LTD** can handle all challenges posed by your process.

A.B.P Chemical Engineering and Ventilation LTD offers highly engineered air pollution control solutions, helping customers all around the globe to meet their air emission standards.


Our Vision

To help companies comply with the new environmental emission code for the future of our planet, by maintaining both environmental sustainability and financial feasibility.

Our Mission

To provide our customers with the best engineering services and to be their first choice for all air pollution control needs.





Industry: Pharmaceutical
Emissions: Halogenated VOC
System: RTO - Scrubber array
Capacity: 30,000 m³/hr

Complete Air pollution control

Our company has gained experience as a systems provider, process consultant, process designer and for providing maintenance services for every possible pollutant.

- VOC emission treatment.
- Dust and particles treatment.
- NO_x and SO_x treatment.
- HCl, HF, HBr, NH₃ treatment.
- Waste gas collection system design.
- Odor treatment.

We are experts at designing, manufacturing, installing and commissioning a wide range of air pollution control systems for:

- Agrochemical industries.
- Pharmaceutical industries.
- Waste to Energy plants.
- High odor processes.
- Defense industries.
- Metallurgical industries
- Cement and Lime industries
- Food and Beverage industries.

Process Engineering & Process Consultation services

Throughout the years, our company has gained in-depth, exclusive knowledge and expertise in the field of air pollution prevention and control.

Our team of experts will make sure you can make the right decision for your plant's specific needs and conditions.

Our goals


- Optimization of the air pollution solution to achieve both economic and environmental sustainability.
- Provide the Best Available Technology (BAT) suited for the project.
- Avoid expensive shutdowns.
- Lower operating and capital costs (OPEX & CAPEX).
- Extend the lifespan of your equipment.
- Ensure safety and smooth operations.

Our consultation services focus on providing the customer with the knowledge he needs to choose the most cost efficient, sustainable solution.

We provide process design and design reviews, as well as representing our customers during the design and commissioning stages to implementing an environmental project.

Industry: Minerals
Emissions: HCl & SO_x
System: Fluidized bed Scrubber
Capacity: 45,000 m³/hr





Industry: Agriculture.
Emissions: Odors.
System: Bio-filter.
Capacity: 110,000 m³/hr.

Mechanical Engineering and Design services

Our team of specialists and experts provide both consultation and design services in mechanical engineering, focused on air pollution control equipment and duct layouts.

We take great pride in our innovative out of the box thinking and understand that in order to achieve the best results the equipment must be tailor-made for the client's requirements.

Our operations cover all aspects of mechanical engineering, from conceptual design to reality, utilizing state-of-the-art computer software and 3-d drawings, applying CAD for computations and finite element analysis (FEA) for structural analysis, hydrodynamic analysis and CFD.

Our goals

- We believe In our team's ability to think outside the box and to find the best suited solution to meet our client's requirements.
- We aim at designing equipment with a Human oriented design & operation
- We aim to achieve the best performance and robustness for long lasting and reliable equipment.
- Optimization of the equipment design to achieve both economic and environmental sustainability.

Manufacturing and assembly


Not all equipment is created equal. Our manufacturing focuses on custom air pollution prevention equipment as defined by our engineering team's detailed drawings and specifications in order to meet each customer's specific requirements with the highest standard. Our Quality control supervisors provide personal escort for each manufacturing project on a daily basis. In addition, in house manufacturing allows us to intervene quickly and professionally for repairs and adjustments, thus ensuring maximum flexibility and project compliance. All the company's products undergo rigorous quality testing before being assembled in the field. We hold our Manufacturing and Assembly teams to the highest standards. Our production process is regulated and certified under ISO 9001:2015.

Our goals

- Highest standards and quality available on the market.
- Complying with project timetables, milestones and delivery date.
- Daily production inspection and continuous improvement.
- Allowing for flexibility in the design.



Industry: Cement
Emissions: Dust
System: Bag filter – pulse jet
Capacity: 30,000 m³/hr



Industry: Pesticides & Herbicides
Emissions: Halogenated VOC
System: RTO – Dual system
Capacity: 20,000 m³/hr –Halogenated VOC
Capacity: 100,000 m³/hr - VOC

Maintenance services

Our after-sale services are based on diverse professional assistance, our logistics warehouse manager keeps a substantial stock of spare parts and offers wide availability of replacements for all our maintenance services customers.

In addition, we provide general and preventative maintenance services to the company's systems even after the completion of the professional warranty.

We offer maintenance for all Air pollution control devices and duct layouts.

Our service team is available 24 hours and can respond to any malfunction across the country.

Our goals

- We believe in preventive maintenance as the best means to avoid unforeseen, expensive downtimes.
- We will help you make the most out of your system through expending its lifespan with expertise and priceless experience.

Worldwide Projects



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