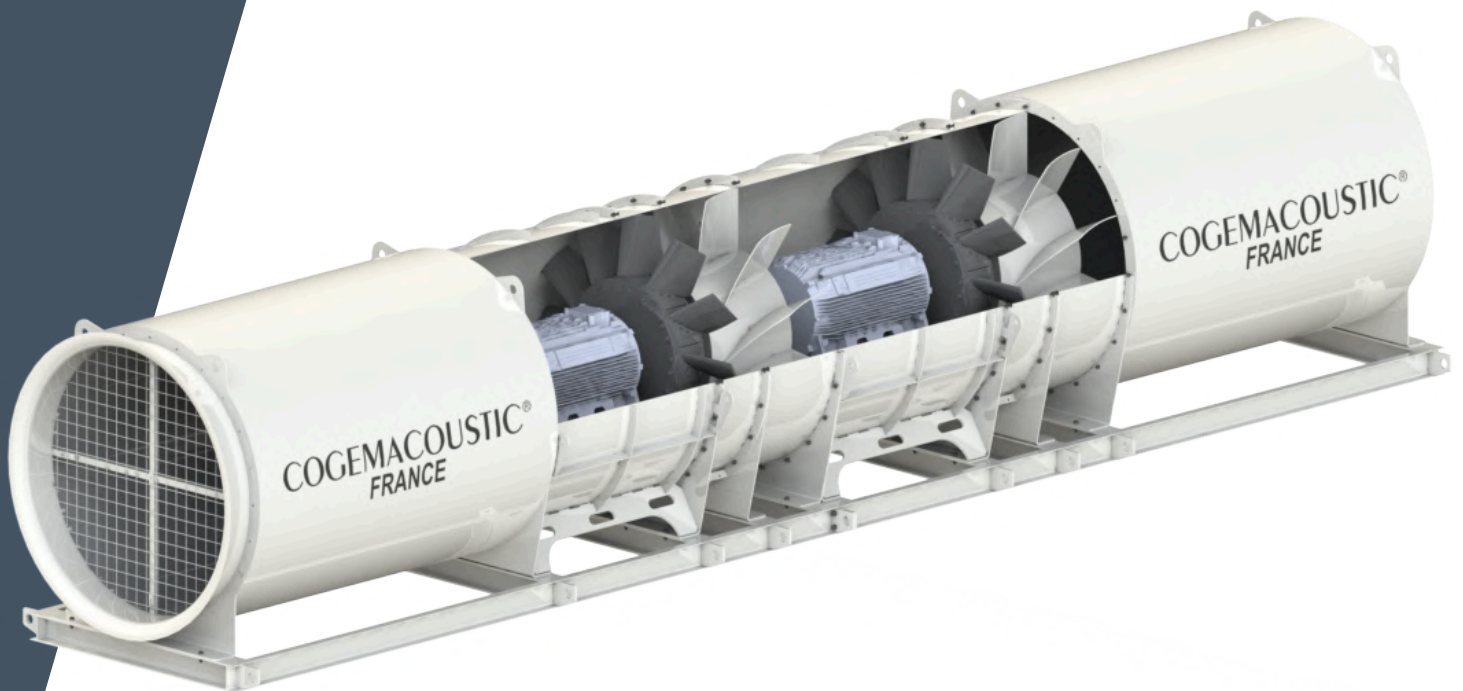


# **ECE** COGEMACOUSTIC®

Experts ON AIR



TUNNEL  
VENTILATION



MINE  
VENTILATION



DEDUSTING



PERMANENT  
VENTILATION



RENTAL  
EQUIPMENT

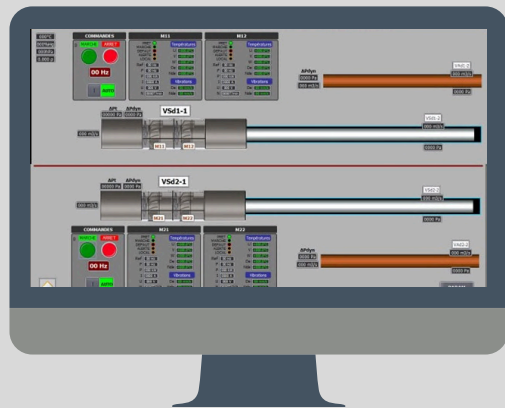


ON DEMAND  
VENTILATION

# TUNNELING



Tunnel ventilation in Asia



Ventilation supervision



Tunnel ventilation in North Africa

ECE COGEMACOUSTIC® has more than 40 years of experience in the fields of underground ventilation & dedusting. We put this knowhow to good use in the high quality of our ventilation studies and the performance of our material.

Our large range of products, comprised of axial fans, jet fans and dedusting units guarantees the optimal ventilation of underground works of all sizes and types.

ECE COGEMACOUSTIC® factory, located in the center of France, incorporates all departments (design office, R&D, sales, expedition) as well as our production facilities (steel fabrication, machining, electrical and automation, machine assembly). This allows us to maintain complete control over the design and manufacturing of our products from A to Z.

All products in the range undergo tests which guarantee correct operation prior to their onsite installation as well as ensuring reliable and durable performance.

Thanks to our worldwide network of agents and partners, we can offer comprehensive sales and after-sales backup.

Consequently, we are in a position to provide a rapid and adapted response to customer requirements at any phases during the project, as well as throughout the entire life cycle of the material.

ECE COGEMACOUSTIC® service team provides complete assistance anywhere in the world in order that your equipment operates at its optimal capacity at all times.



Drill & blast project in Europe

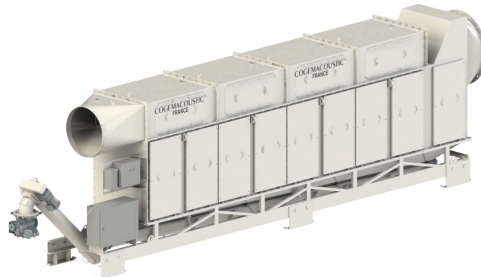
# PRODUCTS



## HIGH PRESSURE FANS

### T2 / TXU

AERODYNAMIC & ENERGY PERFORMANCE  
RELIABILITY & ROBUSTNESS  
LOW NOISE LEVEL  
AUTOMATED SYSTEM MANAGEMENT  
MINIMAL MAINTENANCE  
POWER UP TO 2 000 kW  
DIAMETER FROM 300 TO 3 200 mm



## DEDUSTING UNITS

### DVS

FILTRATION EFFICIENCY UP TO 99,9998 %  
REALTIME  $\Delta P$  INDICATION  
AUTOMATED PULSED CLEANING  
TREATED AIRFLOW 2 TO 35 m<sup>3</sup>/s  
FILTRATION QUALITY H11, H12, H13  
EVACUATION OF DUST IN LIQUID FORM AVAILABLE  
(MIXING TANK)



## JET FANS

### TJR

AERODYNAMIC & ENERGY PERFORMANCE  
STEEL & STAINLESS-STEEL  
FIRE RESISTANT UP TO 400° / 2h  
100 % REVERSIBLE OR ONE-WAY  
THRUST FROM 200 TO 2 400 N  
DIAMETER FROM 630 TO 1 600 mm



## ELECTRICAL PANELS

ALL TYPES OF STARTERS : VFD, SOFT STARTER  
AUTOMATED SYSTEM MANAGEMENT  
TOP QUALITY MANUFACTURERS  
LOW HARMONICS



## ELECTRICAL CONTAINERS

GAZ DETECTION SYSTEMS  
AUTOMATED SYSTEM MANAGEMENT  
FIRE PROTECTION SYSTEM  
EASE OF SYSTEM OPERATION  
MCC



## ACOUSTIC SOLUTIONS

ACOUSTIC OPTIMIZATION  
MODULAR DESIGN  
CUSTOMIZED SILENCERS



## DAMPERS

### CRGV / CRGP / CRGG

RELIABILITY & ROBUSTNESS  
MODULAR DESIGN  
MINIMAL MAINTENANCE  
VERTICAL & HORIZONTAL



## DUCT & ACCESSORIES

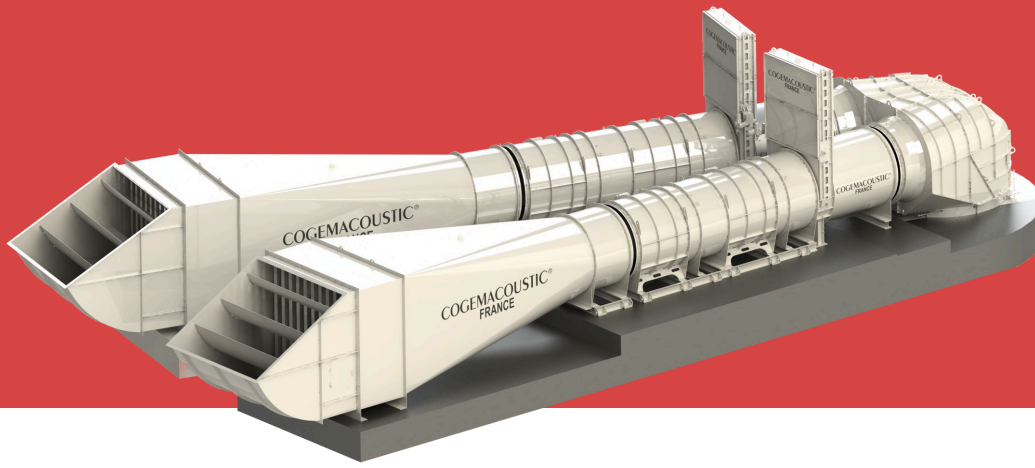
RELIABILITY & ROBUSTNESS  
MODULAR DESIGN  
HIGH QUALITY  
TAILOR-MADE



## PATENTS

### DCR® / VENTILATION ON DEMAND

DCR® PATENTED RELAY SOLUTION  
AUTOMATED ENERGY CONSUMPTION SAVING SOLUTIONS



# MINING

ECE COGEMACOUSTIC® has been involved in mining ventilation for more than 40 years.

Energy savings drive our innovation, while operational excellence is achieved by our reliable products.

ECE COGEMACOUSTIC® secondary fans are engineered for the mining field with specific requirements. Their design can fit most of the standardized underground galleries.

Our fans can also incorporate different voltage electrical motors and be controlled remotely from the mine integrated VOD (Ventilation on Demand). Ventilation parameters can be permanently monitored and shown at the station. Our team is able to develop solutions using most commercially available programming brands.

Your projects are tailor-made to supply the required airflow for optimal mining operations conditions.

ECE COGEMACOUSTIC® has developed many primary ventilation turnkey projects, with diameters up to Ø3.2m using CFD analysis.

We never cease to develop new and specific products related to ventilation and ventilation control.

The success of our projects relies on our tight cooperation with our clients. This includes training our mining partners, auditing existing projects and offering improvements for a safer atmosphere underground and efficient production.

At ECE COGEMACOUSTIC®, we are more than a supplier, we are your mining ventilation partner.



Turnkey project in West Africa



Primary ventilation project in Europe

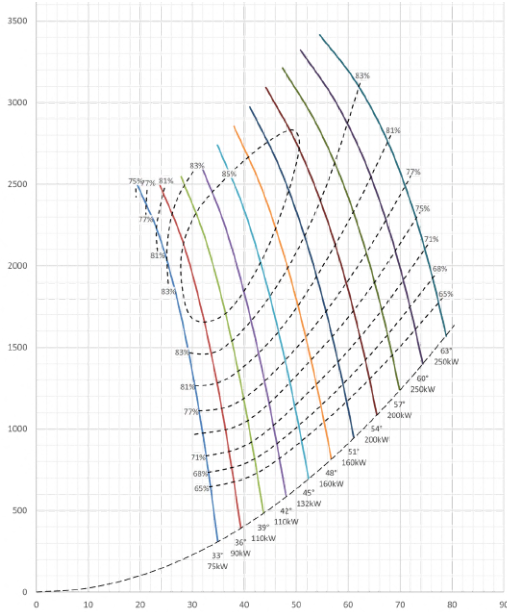


Project in north Africa with a plenum, dampers, single stage fans, baffles & electrical container



Dust collection solution for roadheader machine

# PERMANENT VENTILATION



In the light of our extensive experience in tunnel and mine ventilation, we have developed a high-quality permanent ventilation solution which combines fan performance and particularly high fan efficiencies.

The TXU ventilation solution is the result of intensive research, rigorous testing and solid partnerships with our most exacting customers.

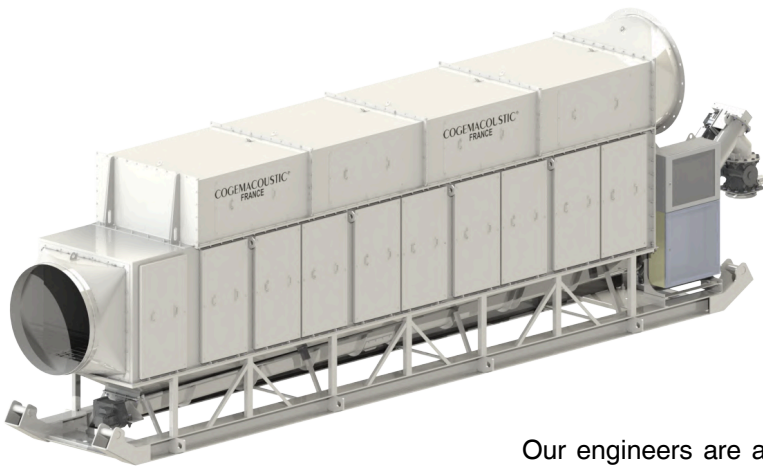
The TXU range is certified according to the European Standard EN 12101-3:2015 "Smoke and heat control systems".

Two heat resistance ratings are available: 200°C/2h and 400°C/2h.

Both horizontal and vertical installations are available, inside or outside of the smoke enclosure.

Several options are available regarding the connection pieces and the galvanisation of the machines.

All machines are electrically tested before shipping.



ECE COGEMACOUSTIC® processes an extensive rental park of high-performance machines (T2, TXU & DVS), which can satisfy the most demanding technical and regulatory requirements.

Our engineers are at your disposal to assist in the best, most suitable solutions to your requirements.

The material is refurbished after each rental by our technicians according to type-oriented protocols, relating to the replacement of wear parts, system settings and cleaning.

## RENTAL EQUIPMENT

Tests carried out on our various test benches are a guarantee that we can supply you the material in perfect working order. The material is put in storage in the best of conditions.

The handling and transport anywhere in Europe are managed with our specialised partners.



# REFERENCES

**ECE** COGEMACOUSTIC®

Experts ON AIR

CENTRAL KOWLOON ROUTE (CHINA HONG KONG) TARA MINE (IRELAND)  
EAST COAST RAILWAY PROJECT (MALAYSIA) PRAID MINE (ROMANIA)  
AUCKLAND CITY RAIL LINK (NEW ZEALAND) JHARIA COAL MINE (INDIA)  
NEOM RUNNING TUNNELS (SAUDI ARABIA) WONA MINE (BURKINA FASO)  
EGLINTON CROSSTOWN METRO (CANADA) KOKOYA GOLD MINE (LIBERIA)  
HIGHLANDS WATER PROJECT (LESOTHO) NORTH MARA MINE (TANZANIA)  
YIN JIANG BU HAN PROJECT (CHINA) SANGILO MINE (PHILIPPINES)  
BRENNER BASE TUNNEL (AUSTRIA) MACO GOLD MINE (PHILIPPINES)  
SAO PAULO METRO (BRAZIL) CO-O GOLD MINE (PHILIPPINES)  
KARUMA PROJECT (UGANDA) AL MASANE MINE (SAUDI ARABIA)  
M6 MOTORWAY (AUSTRALIA) EL TENIENTE COPPER MINE (CHILI)  
LYON TURIN HSR (FRANCE) PONGKOR GOLD MINE (INDONESIA)  
GAUTRAIN (SOUTH AFRICA) AL GHUZAYN COPPER MINE (OMAN)  
SHENZHEN METRO (CHINA) SAO BENTO & JACOBINA MINE (BRAZIL)  
MAMU TUNNEL (GUINEA) YARAMOKO GOLD MINE (BURKINA FASO)  
MUMBAI METRO (INDIA) MAGDALENA & AGUAS TENIDAS MINES (SPAIN)



## CONTACT

### NOTES

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