



TUNNEL & METRO REFERENCES



Fan World's Trusted Partner for System Design Solutions

Aironn, a Turkish engineering company, has been manufacturing ventilation solutions since 2011. Their focus on combining global technology standards with cost efficiency has led them to become a leading manufacturer in the sector. By prioritizing R&D as a universal culture, Aironn has built a strong team and is known for creating unique solutions. In

addition to fire, smoke, and pressurization fans, jet fans, subway and tunnel fans, Aironn's product line includes axial fans, EC fans, shelter ventilation fans, roof and duct type fans, and bathroom fans. Aironn's expertise in fan engineering has also allowed them to expand their production planning to other ventilation system solutions.



Aironn's production facilities are located in Izmit Kartepe and encompass a 10,000 m² closed area. The facility boasts an impressive equipment park that consists solely of CNC machines. This state-of-the-art equipment, which can be accessed remotely, enables Aironn to achieve high-precision sheet metal cutting in different sizes. This technology allows Aironn to meet the diverse needs of all kinds of projects while ensuring high-quality production in all details.

With an annual production capacity of over 30,000 devices, Aironn's Production Facility is well-equipped to meet the demands of its customers.

Aironn's Fan Test Facility thoroughly tests and labels every device that is produced, ensuring the highest standards of quality and reliability.

The Aironn Fan Training Center, located in the Aironn Production Facility, offers periodic or on-demand training seminars.

System Solutions

Tunnel and Subway Ventilation Systems



AIRONN IS
A MEMBER OF PIARC



To ensure the safe use of tunnels, daily and emergency ventilation systems are installed to meet international standards. These systems are used to remove toxic exhaust gases from vehicles during daily ventilation, and in the event of a fire, to evacuate smoke and hot air. With this system, people inside the tunnel can safely escape to emergency escape tubes while exposure to toxic gas is minimized, vision distances are protected, and panic is avoided.



REFERENCES

ZİGANA TUNNEL

The World 2nd Longest Tunnel (16 km)

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
146	1250	45



OVİT TUNNEL

The World 3rd Longest Tunnel (15 km)

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
90	1250	45



İSTANBUL AIRPORT TUNNELS

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
200	1250	75



NORTH MARMARA HIGHWAY TUNNELS

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
351	1250	45



YUSUFELI TUNNEL

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
400	1000	30



SABUNCUBELI TUNNEL

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
90	1000	30



IKIZDERE TUNNELS

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
164	1000	30



LLOGARA TUNNEL-ALBANIA

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
30	1250	45



REFERENCES

E60 TUNNEL-GEORGIA

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
115	1250	37



UFA TUNNEL-RUSSIA

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
22	1250	30



TUNNEL-POLAND

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
42	1000	30



SALAHADDIN TUNNEL-IRAQ

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
45	1000	30



TUNNEL-OMAN

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
22	1000	30



BOZTEPE & OCELI TUNNELS

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
76	1250	45



VECDI DIKER TUNNEL

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
14	1250	45



SABIHA GOKCEN AIRPORT TUNNEL

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
40	1250	55



REFERENCES

FERHAT TUNNELS

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
11	1000	37



MERSIN TAG TUNNELS

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
205	1250	45



KAHRAMANMARAŞ TUNNEL

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
124	1000	30



ORDU TOPÇAM TUNNEL

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
96	1000	30



AKYAZI TUNNELS

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
90	1000	30



MAÇKA TUNNEL

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
64	1000	30



TERZİLİ TUNNEL

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
60	1000	30



EĞRİBEL TUNNEL

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
58	1000	30



REFERENCES

SİVAS-GEMİNBELİ TUNNEL

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
54	1250	45



ÇAKRAZ TUNNELS

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
50	1000	30



TOPÇAM TUNNELS

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
48	1000	30



MALATYA KÖMÜRHAN TUNNEL

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
48	1000	30



ÇAYIRHAN TUNNEL

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
48	1000	30



BURUNCUK TUNNEL

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
36	1250	45



SALARHA TUNNEL

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
36	1000	30



SALANG TUNNEL

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
30	1000	45



REFERENCES

YAĞDONDURAN TUNNEL

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
24	1000	45



KARS-AŞIK ŞENLİK TUNNEL

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
22	1250	45



GÜMÜŞHANE TUNNEL

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
18	1250	45



İSTANBUL MALTEPE UNDERPASS PROJECT

FAN QUANTITY	FAN DIAMETER	MOTOR POWER
16	710	30



SABİHA GÖKÇEN SUBWAY

	FAN QUANTITY	FAN DIAMETER	MOTOR POWER
TVF FAN	16	1600	110
TUNNEL JET FAN	-	-	-



KAYAŞEHİR-BAŞAKŞEHİR SUBWAY

	FAN QUANTITY	FAN DIAMETER	MOTOR POWER
TVF FAN	16	1800	110
TUNNEL JET FAN	6	710	30



GEBZE SUBWAY

	FAN QUANTITY	FAN DIAMETER	MOTOR POWER
TVF FAN	44	1800	110
TUNNEL JET FAN	-	-	-



ÜMRANIYE-ATAŞEHİR-GÖZTEPE SUBWAY

	FAN QUANTITY	FAN DIAMETER	MOTOR POWER
TVF FAN	32	2000	250
TUNNEL JET FAN	-	-	-



REFERENCES

İZMİR NARLIDERE SUBWAY

	FAN QUANTITY	FAN DIAMETER	MOTOR POWER
TVF FAN	28	1800	110
TUNNEL JET FAN	-	-	-



ANKARA SUBWAY

	FAN QUANTITY	FAN DIAMETER	MOTOR POWER
TVF FAN	4	2000	250
TUNNEL JET FAN	-	-	-



GAZİRAY

	FAN QUANTITY	FAN DIAMETER	MOTOR POWER
TVF FAN	28	1000	18.5
TUNNEL JET FAN	18	1250	55



BURSA LIGHT RAIL SYSTEMS

	FAN QUANTITY	FAN DIAMETER	MOTOR POWER
TVF FAN	12	2000	250
TUNNEL JET FAN	-	-	-





Notes



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FAN ENGINEERING



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