

Breathing Innovation
into Ventilation!



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AERA: Where Innovation Begins

- AERA İklimlendirme Teknolojileri A.Ş. is a specialized manufacturer of high-performance Air Handling Units and ventilation solutions. With in-house R&D, certified test facilities, and a strong engineering culture, AERA develops standard and customer-specific HVAC products that comply with the most demanding European regulations and energy standards.
- Our manufacturing site integrates sheet-metal processing, assembly lines, and digital production control systems to enable high production flexibility and short lead times, while maintaining full traceability and European quality standards.

Engineering & Compliance Excellence

- EN 1886 tested casing performance, best-in-class thermal bridging (T2/TB2) and air leakage (L1).
- VDI 6022 hygienic design certification for sensitive applications (hospitals, labs, clean rooms).
- Ecodesign (EU 1253/2014) compliance across all product families.
- Eurovent & Passivhaus certified product ranges ensuring verified performance.

Product & Service Portfolio

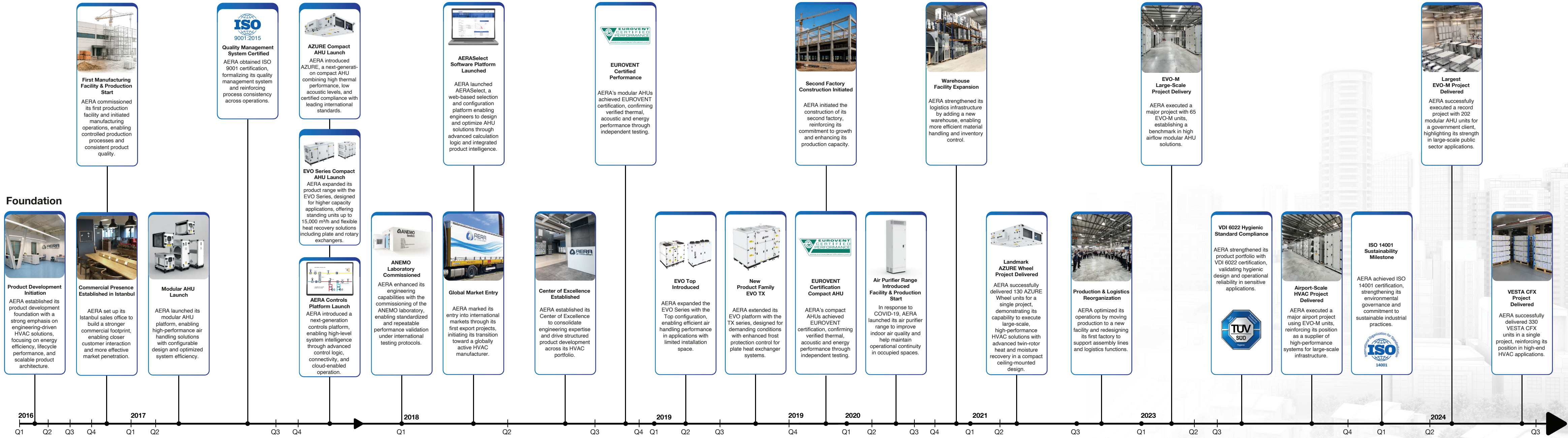
- Compact & Modular AHUs; Airflows from 50 m³/h to 65000 m³/h, horizontal or vertical configurations.
- OEM Product Development; Tailor-made product families, developed jointly with customers, including tooling, documentation, and certification support.
- Special Application Units; High-efficiency heat recovery, hygienic execution, roof-mounted units, and integrated controls.
- Digital Configuration Tools; Web-based configurator for unit selection, documentation, and export in real time.
- Technical Training & Support; Dedicated engineering support for project integration and aftersales.





	RESIDENTIAL HRV		FRESH AIR UNIT		LIGHT COMMERCIAL HRV			COMPACT AIR HANDLING UNIT										MODULAR AIR HANDLING UNIT		
PRODUCT FAMILY	LEVANTE		MISTRAL		VESTA			EVO-COMPACT										EVO-M		
Product Name	CASA	SANOVA	SKY	AURA	VESTA HR	VESTA HRB	VESTA CFX	ESSENZA	AZURE	AZURE WHEEL	EVO-C	EVO-R	EVO-C TOP	EVO-R TOP	EVO TX	EVO SX	EVO SR	MAESTRO	EVOM	FORTE
Airflow	50-220 m³/h	50-400 m³/h	300-4000 m³/h	4000-8000 m³/h	400-6000 m³/h	600-4000 m³/h	200-2000 m³/h	650-3000 m³/h	300-3200 m³/h	1000-5500 m³/h	600-8500 m³/h	1200-15000 m³/h	600-3500 m³/h	1500-7500 m³/h	1500-7000 m³/h	2500-10000 m³/h	1500-15000 m³/h	1000-65000 m³/h		
Fan Type	EC	EC	EC	EC	AC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	AC/EC		
Heat Recovery	Counterflow	Counterflow	-	-	Crossflow	Crossflow	Counterflow	Counterflow	Counterflow	Rotary	Counterflow	Rotary	Counterflow	Rotary	Counterflow	Counterflow	Rotary	RAC, RHX, PHX		
Filter Type	G4, Coarse	G4, Coarse	epM1 60%	epM1 60%	G4, Coarse	G4, Coarse	G4, Coarse	ePM1 60%	epM1 60%	epM1 60%	epM1 60%	epM1 60%	epM1 60%	epM1 60%	epM1 60%	epM1 60%	epM1 60%	COARSE, epM10, epM1, Activated Carbon, ESP, Metal		
Controls	Senso	Senso	Senso+	Senso+	Senso	Senso	Senso	Senso	Senso+	Senso+	Senso+	Senso+	Senso+	Senso+	Senso+	Senso+	Senso+	Corrigo 5, Air2 Master		
By-Pass Ventilation	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Defrost	Classic	Classic	Classic	Classic	Classic	Classic	Classic	Classic	Classic	Not Needed	Classic	Classic	Classic	Classic	Partial HEX By-pass	Partial HEX By-pass	Not Needed	Classic, Advanced	Classic, Advanced	Classic, Advanced
ERP	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Casing	EPP	EPP	30 mm Rock Wool	60 mm Rock Wool	Single Skin	Single Skin	30 mm Rock Wool	50 mm Rock Wool	50 mm Rock Wool	50 mm Rock Wool	50 mm Rock Wool	50 mm Rock Wool	50 mm Rock Wool	50 mm Rock Wool	50 mm Rock Wool	50 mm Rock Wool	50 mm Rock Wool	50 mm Rock Wool	50 mm Rock Wool	60 mm Rock Wool
EN1886	-	-	-	-	-	-	-	-	T2, TB2	-	T2, TB2	T2, TB2	T2, TB2	-	-	-	-	T3, TB2	T2, TB2	T2 TB2
Selection Tool	-	-	-	-	-	-	-	-	aereselect	-	aereselect	aereselect	aereselect	-	-	-	-	HVAC Calculator	HVAC Calculator	HVAC Calculator
Certification	EN308	EN308	-	-	-	-	-	-	Eurovent	-	Eurovent	Eurovent	Eurovent	-	-	-	-	Eurovent	Eurovent	Eurovent
	Passivhaus	-	-	-	-	-	-	-	VDI 6022	VDI 6022	VDI 6022	VDI 6022	VDI 6022	VDI 6022	VDI 6022	VDI 6022	VDI 6022	-	VDI 6022	VDI 6022
ACCESSORIES																				
Pre-Heater	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical
After-Heater	-	-	Water/Electrical	Water/Electrical	Water/Electrical	Water/Electrical	Water/Electrical	Water/Electrical	Water/Electrical	Water/Electrical	Water/Electrical	Water/Electrical	Water/Electrical	Water/Electrical	Water/Electrical	Water/Electrical	Water/Electrical	Water/Electrical	Water/Electrical	Water/Electrical
Cooler	-	-	Water/DX	Water/DX	Water	Water	Water	Water/DX	Water/DX	Water/DX	Water/DX	Water/DX	Water/DX	Water/DX	Water/DX	Water/DX	Water/DX	Water/DX	Water/DX	Water/DX
Controls	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Optional	Optional	Optional
Constant Flow	-	Standard	+	+	-	-	-	Optional	+	+	+	+	+	+	+	+	+	+	+	+
Constant Pressure	-	-	+	+	-	-	-	Optional	+	+	+	+	+	+	+	+	+	+	+	+
Cloud Connection	-	-	+	+	-	-	-	-	+	+	+	+	+	+	+	+	+	+	+	+
VOD	+	+	+	+	-	-	-	Optional	+	+	+	+	+	+	+	+	+	+	+	+
Humidity Transfer	+	+	-	-	-	-	-	-	-	Standard	-	+	-	+	-	-	Standard	+	+	+
High Efficiency Filter	epM1 60%	epM1 60%	epM1 80%	epM1 80%	epM1 60%	epM1 60%	epM1 60%	ePM1 80%	epM1 80%	epM1 80%	epM1 80%	epM1 80%	epM1 80%	epM1 80%	epM1 80%	epM1 80%	epM1 80%	Yes	Yes	Yes

AERA Milestones Timeline 2016–2026



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