



WIND ENERGY CLUSTER ECOSYSTEM IN İZMİR



REPUBLIC OF TURKEY
MINISTRY OF INDUSTRY
AND TECHNOLOGY

INVEST in
İZMİR



İZMİR
DEVELOPMENT
AGENCY

CATCH THE WIND OF İZMİR

iea

"The Annual Electricity Generation from Wind Energy Resources has reached 1.391 TWh as of 2020, It is expected to reach 7.257 TWh by 2040"



"The share of the Electricity Generation from Wind Energy in total will be reach 36% by 2050. "



"New installations in the Global Wind Market has reached 60.4 GW and total Installed Capacity has reached 651 GW as of 2019."



"Europe has 197 GW of Wind Energy Capacity. While, onshore Wind Capacity is 174 GW, Offshore Wind Capacity has reached 23 GW as of July 2020.

"Turkey ranks the fifth in the list of leading strategic wind turbine component manufacturers in Europe."



"Total Wind Energy Capacity in Turkey has reached 9.244 MW by the end of 2020."

"İzmir, the Wind Capital of Turkey, accounts for 20% of the Wind Energy Installed Capacity in Turkey with 1.619 MW."

**THE WIND ENERGY CLUSTER ECOSYSTEM CONTINUES TO GROW IN İZMİR,
THE WIND ENERGY EQUIPMENT MANUFACTURING AND SERVICE HUB OF TURKEY.**

INVEST in
İZMİR



İZMİR WIND ENERGY
CLUSTER ECOSYSTEM

MANUFACTURING

Nacelle

SIEMENS Gamesa
RENEWABLE ENERGY

Tower

ATES WIND POWER **CSWIND** **WEC Kule**

Generator

ATES WIND POWER **ENERCON**
ENERGY FOR THE WORLD

Material

JSB **SAERTEX®** **METEX®**

Blade

ENERCON
ENERGY FOR THE WORLD

tpi COMPOSITES

LM WIND POWER

Gearbox

tibett
Makina Sanayi ve Tic.A.Ş.



dirinler
Döküm Sanayi ve Ticaret A.Ş.

R&D Center

SIEMENS Gamesa
RENEWABLE ENERGY

tpi COMPOSITES

northel



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MINISTRY OF INDUSTRY
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MINISTRY OF ENERGY AND
NATURAL RESOURCES



REPUBLIC OF TURKEY
ENERGY MARKET
REGULATORY AUTHORITY



TÜRKİYE RÜZGAR ENERJİSİ BİRLİĞİ
TURKISH WIND ENERGY ASSOCIATION



İZMİR
DEVELOPMENT
AGENCY

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İZMİR



İZMİR WIND ENERGY
CLUSTER ECOSYSTEM

MANUFACTURING

Component



Platform



Fastener, Link



Other



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İZMİR



İZMİR WIND ENERGY
CLUSTER ECOSYSTEM

INSTALLATION, OPERATION AND MAINTENANCE

Maintenance



Assembly



Safety



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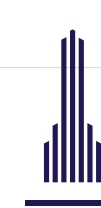
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ENERGY MARKET
REGULATORY AUTHORITY



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İZMİR
DEVELOPMENT
AGENCY

Ascent Systems



Logistics



Crane



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İZMİR WIND ENERGY
CLUSTER ECOSYSTEM

CONSULTANCY AND SOFT SERVICES

Project Development

ENISOLAR

eğerer
Enerji Dan. Müh. Hiz. A.Ş.

CPC Germania
The Clean Power Company

XGEN

VRES
GREEN FOR THE FUTURE

iTerra
energy

Measuring

ENISOLAR

GENBA
all renewable

eğerer
Enerji Dan. Müh. Hiz. A.Ş.

Certification

MMO KALMEM



TÜRK LOYDU



Online Training



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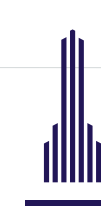
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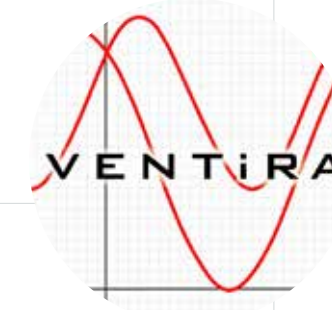
Engineering



GENİSER

Üstün Energy

enercast



DNV·GL

U-sens

SMARTCON

BES ENERJİ

ALFANORM

UL DEWI

VERK

JbS

RENEWATT

POWER GENERATION

Independent Power Producers



Utility



Renewable Energy Cooperatives



SPECIAL INVESTMENT ZONES

Organized Industrial Zones

ALOSBİ

BAYOSB
BAĞYURDU ORGANİZE SANAYİ BÖLGESİ

BOSBİ

B.E.G.O.S.

İTOB

İASOB

KOSBİ

İZMİR PANCAR
ORGANİZE SANAYİ BÖLGESİ

KINIK
ORGANİZE SANAYİ BÖLGESİ



MENEMEN PLASTİK İHTİSAS
Organize Sanayi Bölgesi

ÖDEMİS
OSB
İZMİR

TOSBİ

TORBALI
OSB
İZMİR

Free Zones



ESBAŞ
EGE SERBEST BÖLGE KURUCU VE İŞLETİCİSİ A.Ş.
AEGEAN FREE ZONE DEVELOPMENT & OPERATING CO.



Technology Development Zones



teknoparkizmir
"tech together"



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CLUSTER ECOSYSTEM

OTHER INSTITUTIONS

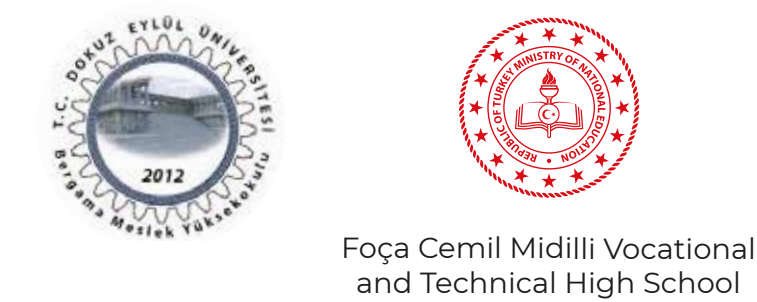
Public Institutions



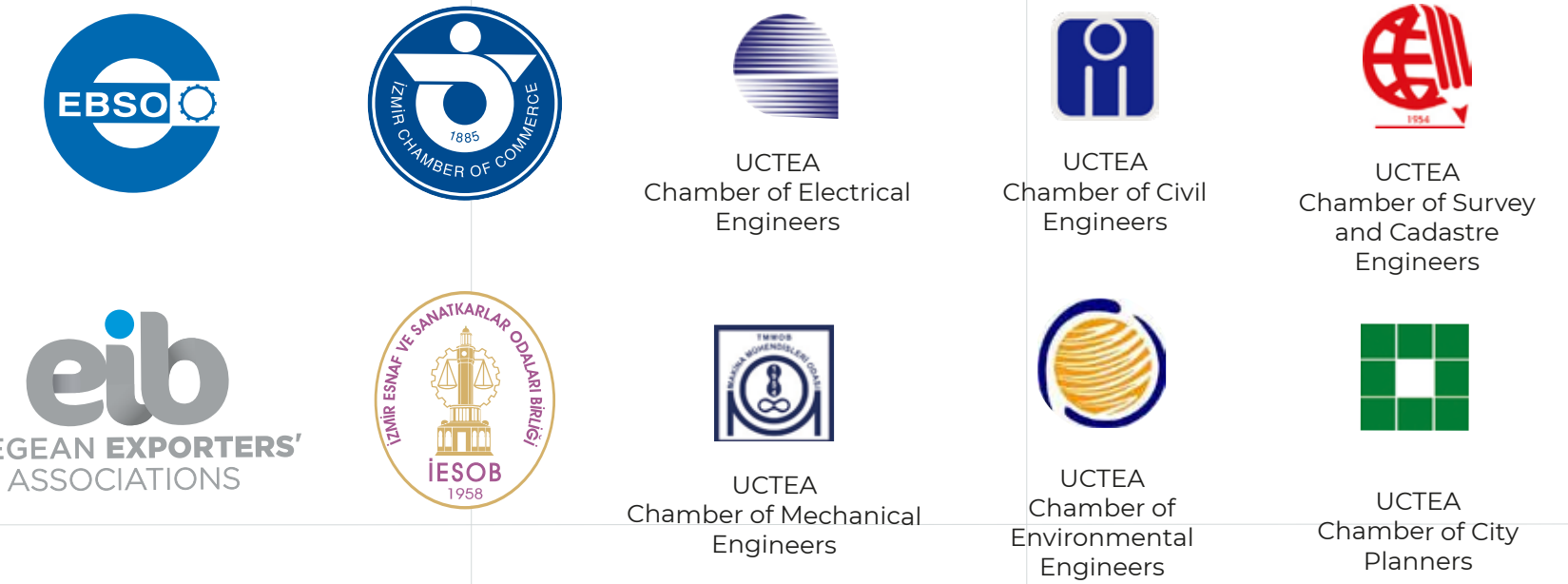
Universities



Vocational Education



Chambers and Unions



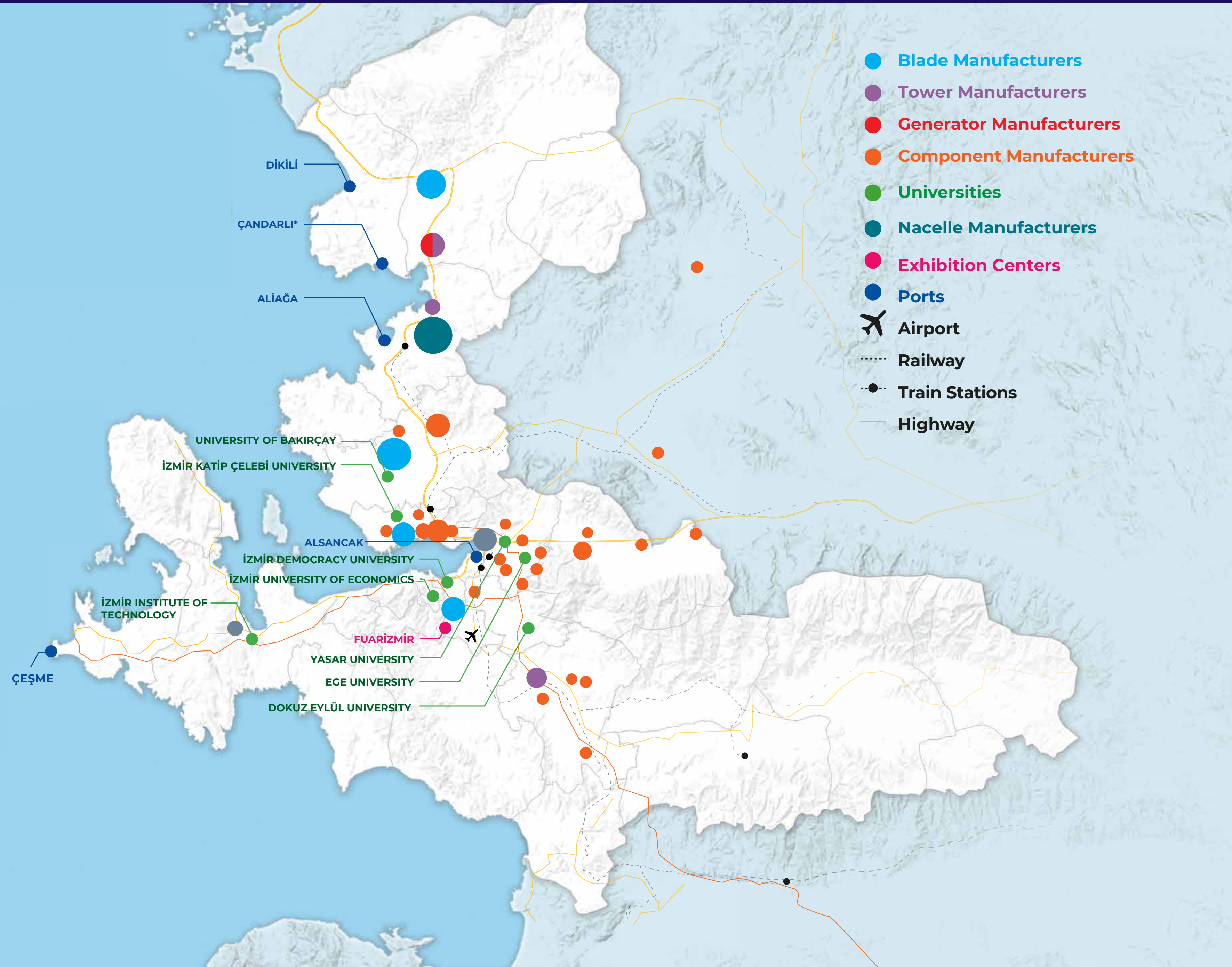
NGOs



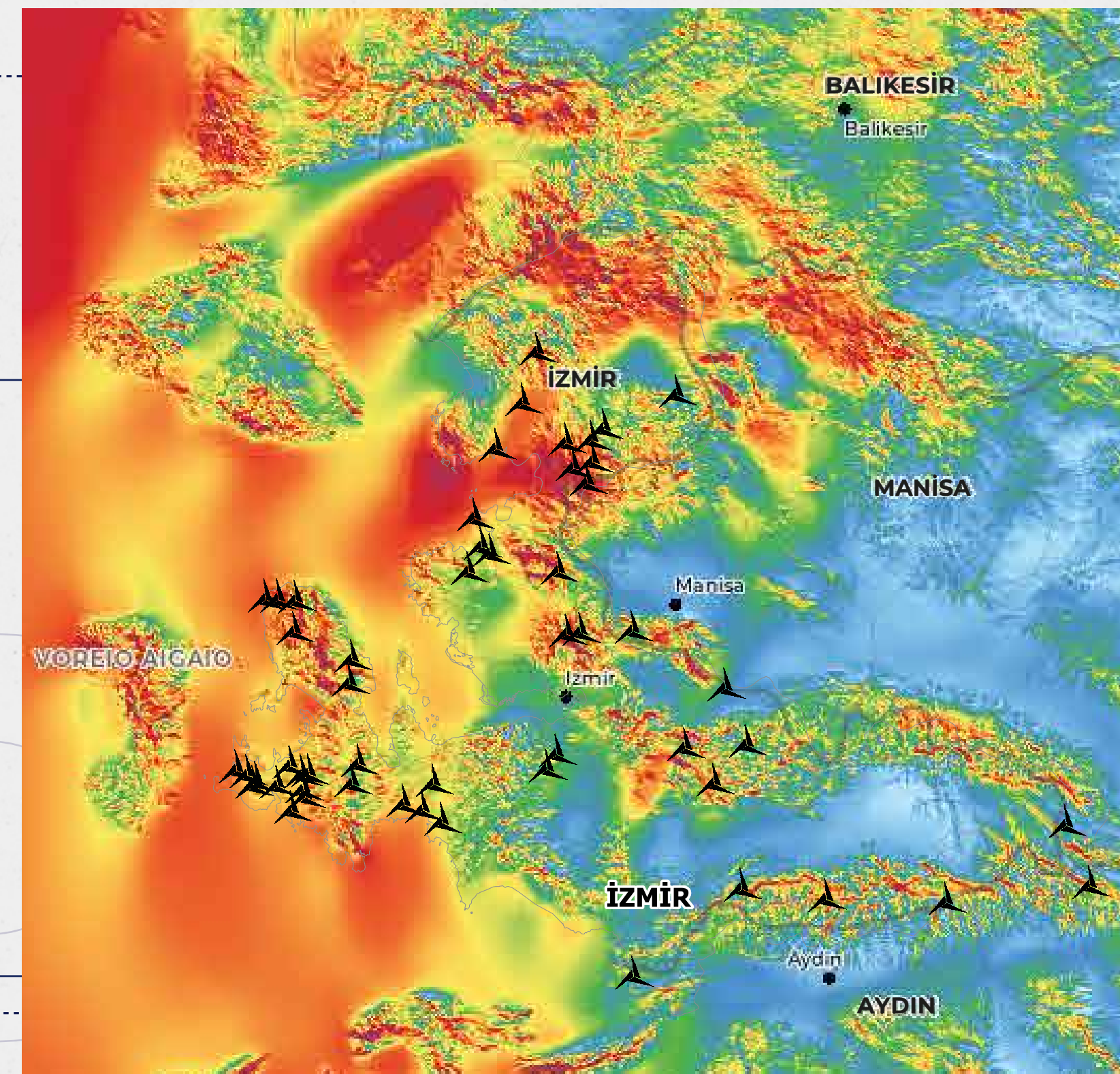
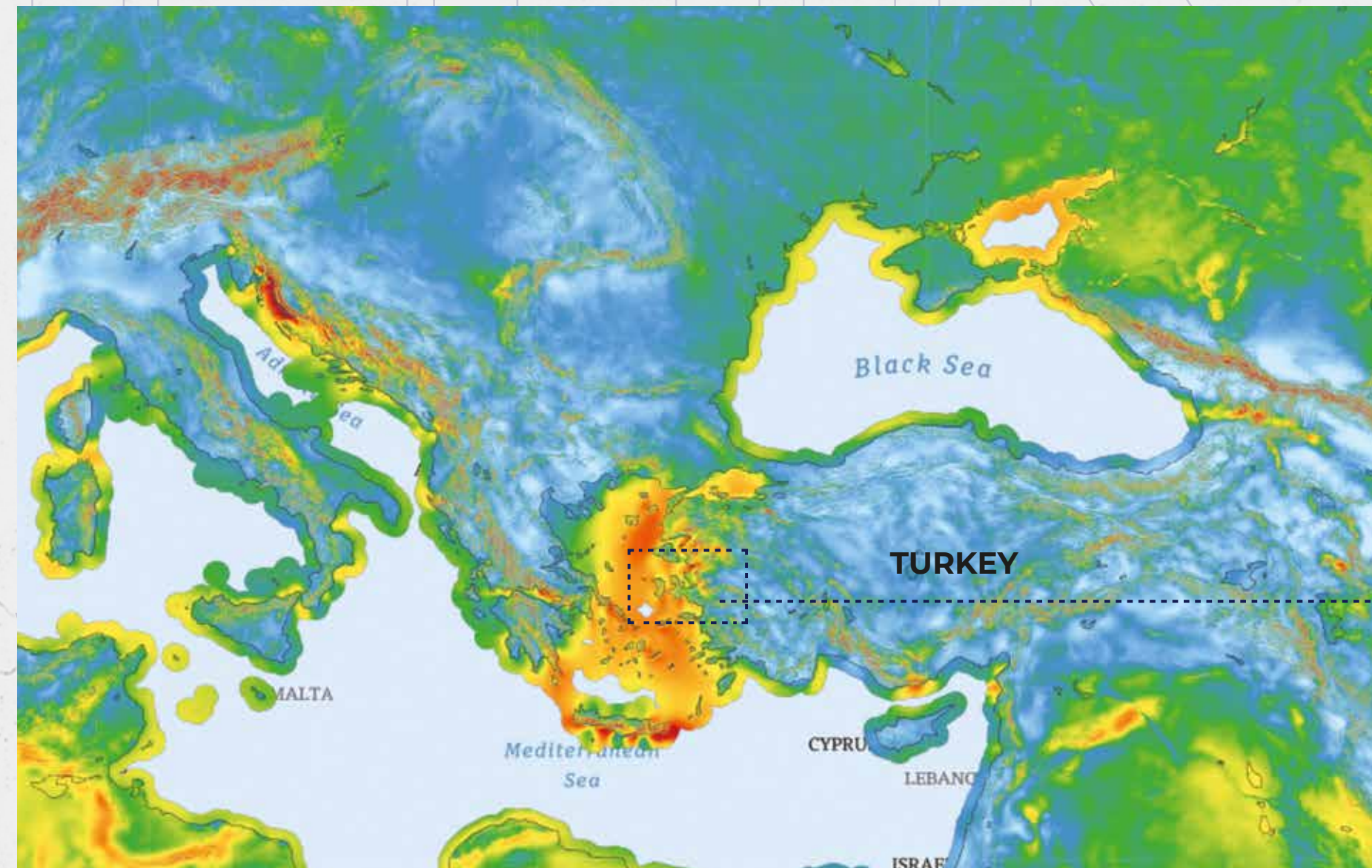
Events - Media



İZMİR WIND ENERGY EQUIPMENT PRODUCTION MAP



İZMİR WIND ATLAS



Mean Power Density@ 100 m - [W/m²]

<25 50 75 100 125 150 175 200 225 250 275 300 325 350 375 400 450 500 550 600 650 700 750 800 850 900 1000 1100 1200 1300 > 1300



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