

# ➤ Nordex Türkiye ve Ortadođu Servis Faaliyetleri



# NORDEX GLOBAL SERVİS

12650

Total installed turbines

7831

Total turbines under contract

3174

Total forecast commissioning

2684

Total forecast installations

0

New turbines under contract

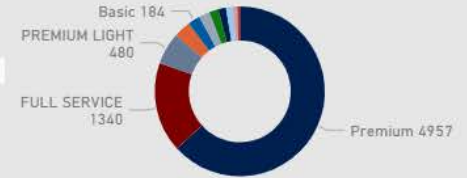
147

Turbines running out of contract in

647

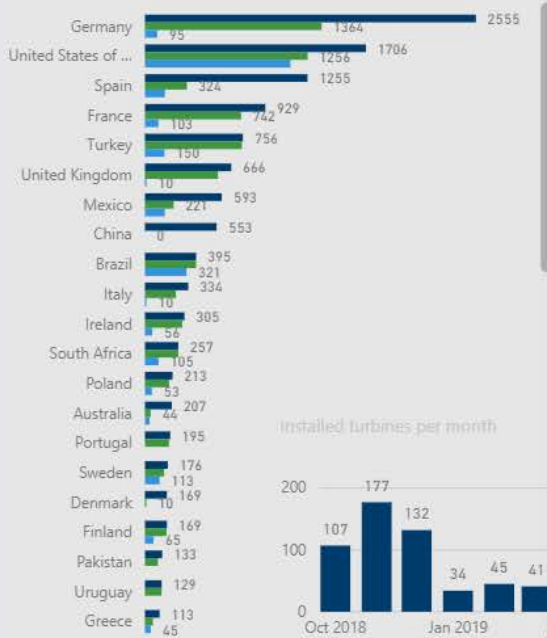
Turbines coming into service in next

Turbines Under contract by Contract Type

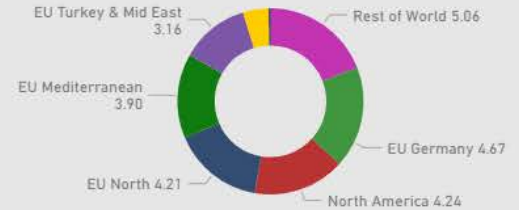


Installed, Turbines Under contract and Commissioning forecast by Country

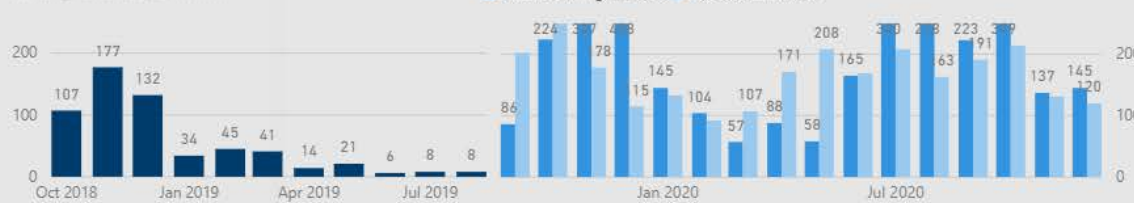
● Installed ● Turbines Under contract ● Commissioning forecast



Installed capacity by region (in Gigawatts)



Installed turbines per month



This analysis measures number of contracts by Region and by Country.

- Total number of contracts is 7,831 across all eight entities.
- The minimum value is 26 (India) and the maximum is 1,491 (EU North), a difference of 1,465, averaging 978.88.
- EU North had the most number of contracts by entity (1,491, 19% of total), with number of contracts buoyed by United Kingdom (564, 38%) and curbed by Estonia (eight, 0.54%).
- Number of contracts is distributed relatively evenly across all the entities.
- The top two entities combine for over a quarter (27%) of overall number of

powered by Narrative Science

# TÜRKİYE VE ORTADOĞU SERVİS ORGANİZASYONU

1603

Total installed turbines

859

Total turbines under contract

150

Total forecast commissionings

155

Total forecast installations

0

New turbines under contract rep. month

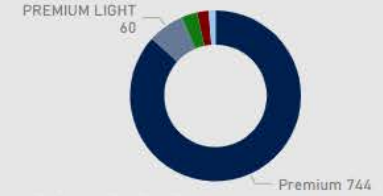
0

Turbines running out of contract in next 3 months

20

Turbines coming into service in next 3 months

Turbines Under contract by Contract Type



Installed capacity by region (in Gigawatts)



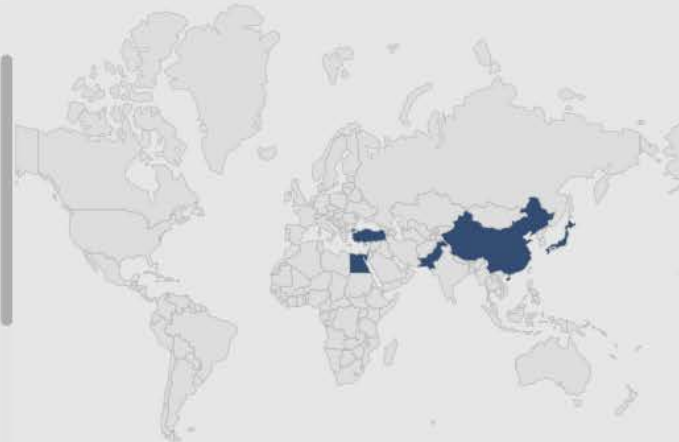
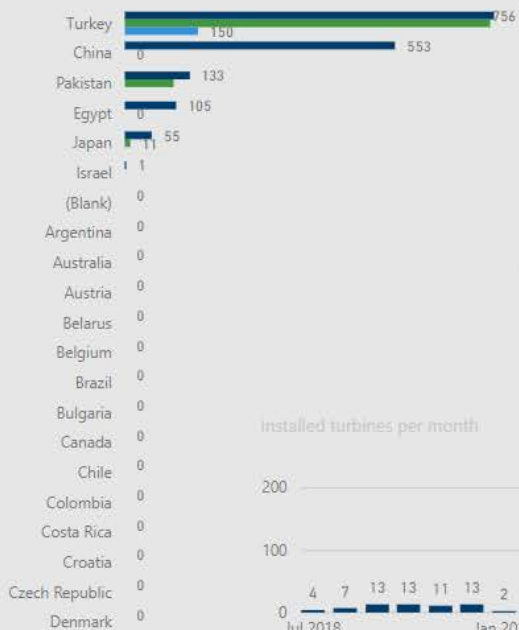
This analysis measures number of contracts by Region and by Country.

For EU Turkey & Mid East:

- Total number of contracts is 859 across all three subcategories (representing 100% of the total number of contracts across entity).
- The distribution ranges from 11 (Japan) to 748 (Turkey), a difference of 737, averaging 286.33.
- Turkey (748) is almost three times bigger than the average across the three subcategories.

Installed, Turbines Under contract and Commissioning forecast by Country

● Installed ● Turbines Under contract ● Commissioning forecast



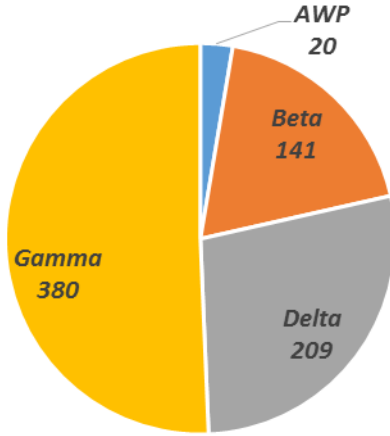
installed turbines per month



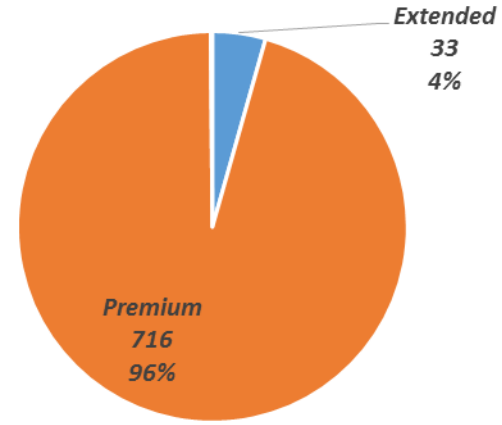
powered by Narrative Science

# TÜRKİYE VE ORTADOĞU SERVİS ORGANİZASYONU

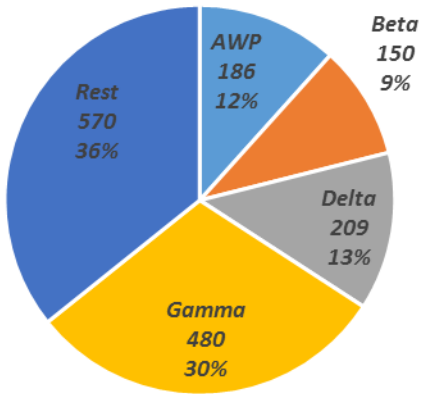
TR - Türbin Tipleri



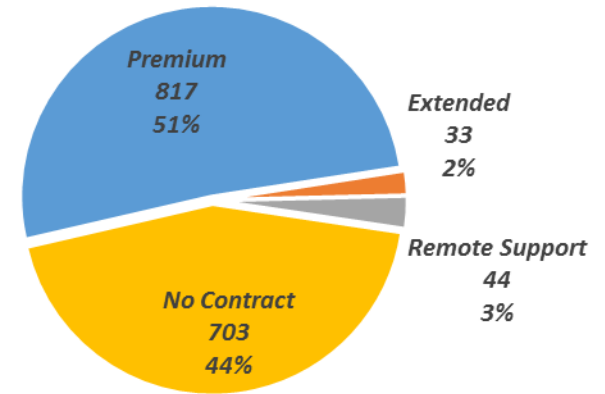
TR - Kontrat Tipleri



TR&ME Türbin Tipleri

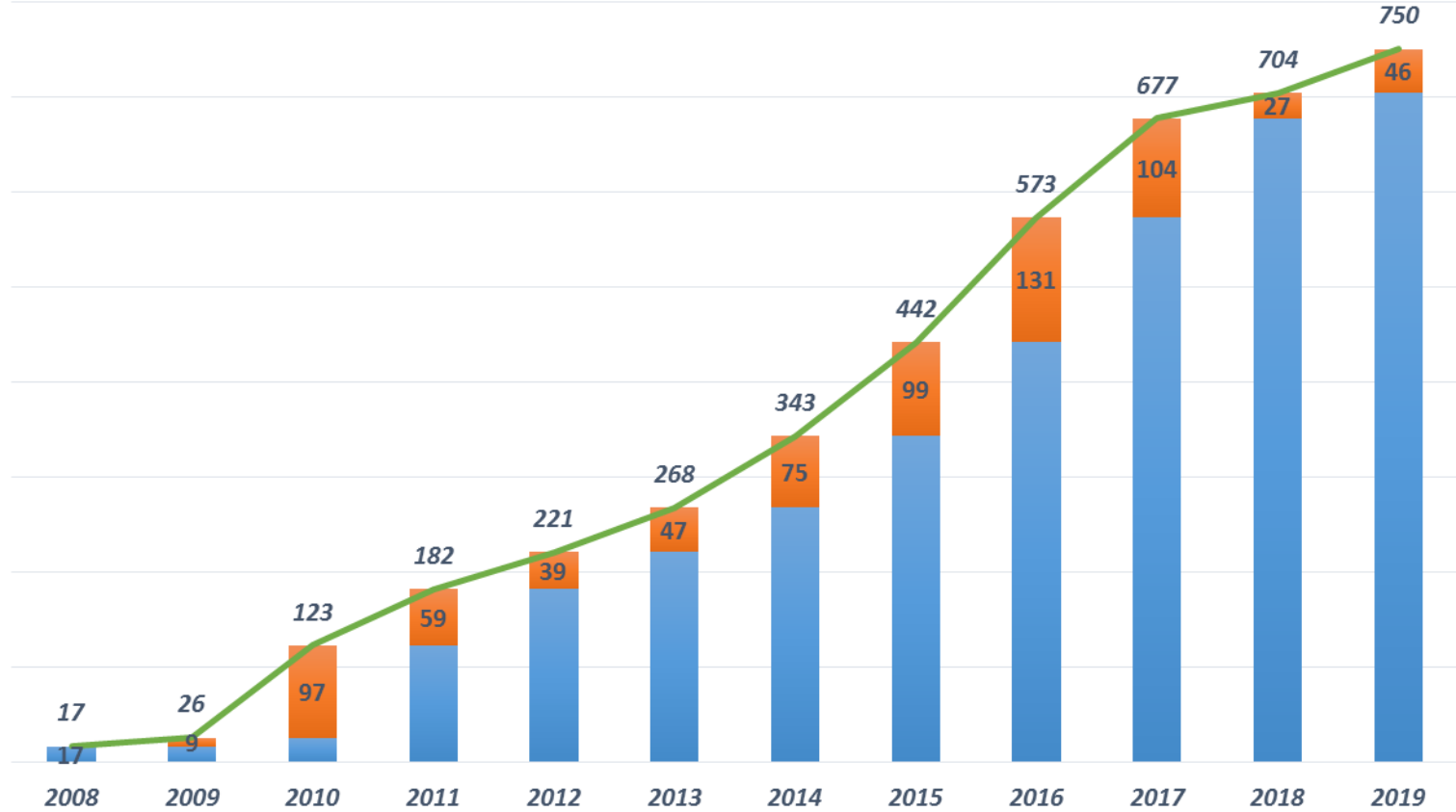


TR & ME - Kontrat Tipleri



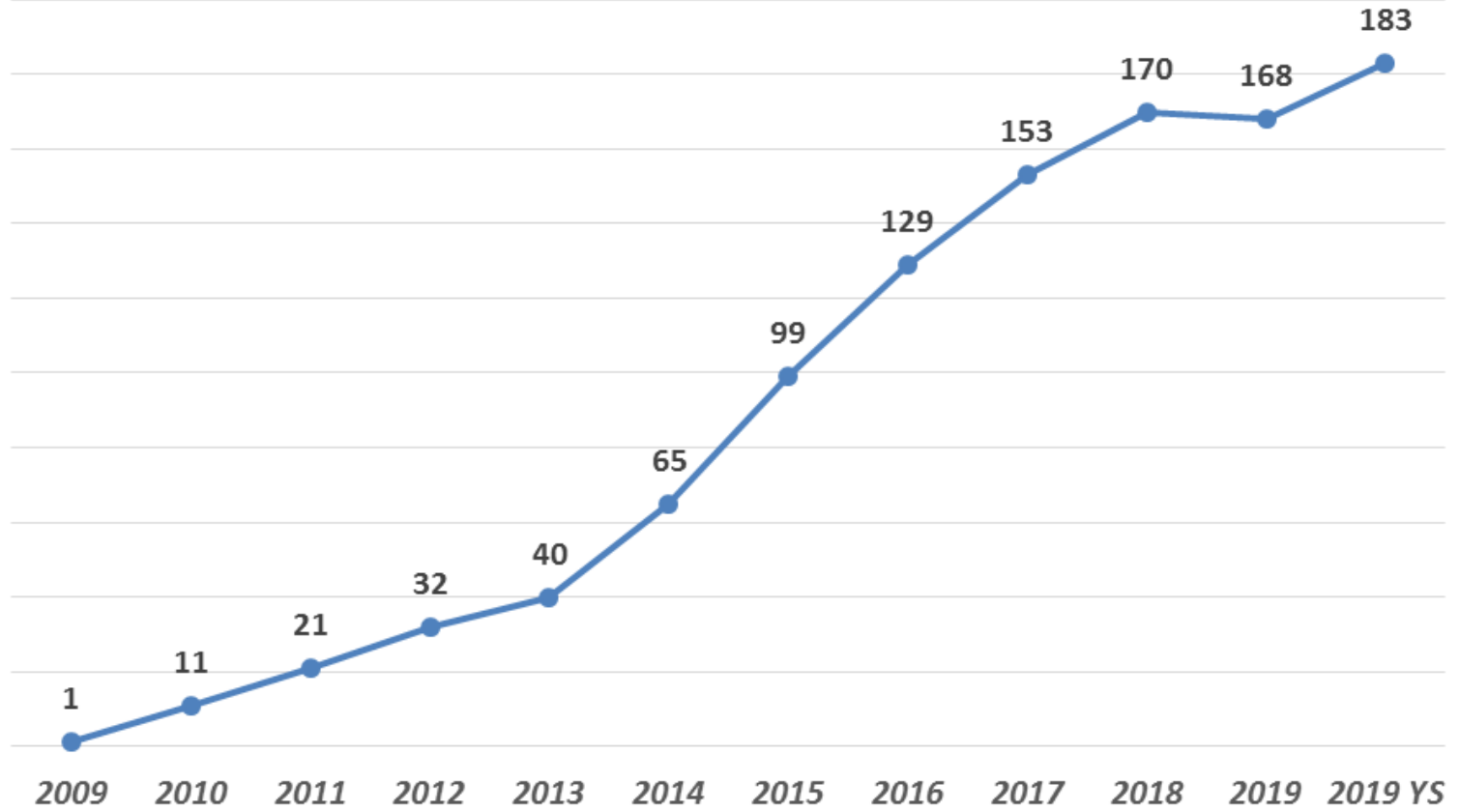
# BÜYÜYEN SERVİS ORGANİZASYONU

## Servisteki Türbin Sayısı - Türkiye



# BÜYÜYEN SERVİS ORGANİZASYONU

Servis Departmanı Personel Sayısı



# BÜYÜYEN SERVİS ORGANİZASYONU

- İş Güvenliği Yönetimi
- Yetkinlik – Eğitim İhtiyacı
- Teknik Konularda Uzmanlaşma
- Yedek Parça Planlaması

# İŞ GÜVENLİĞİ YÖNETİMİ

- Bağımsız İSG Denetimleri
- İSG Eğitim Videoları
- İSG Temsilcileri
- LOTO Sistemi ve LOTO Aplikasyonu
- SMS Hatırlatmaları
- Önleyici Raporlar
- Düzenli İSG Toplantıları



# YETKİNLİK – EĞİTİM İHTİYACI

- 05/2014 NT1 Eğitimi için ilk „Eğitici Eğitimi“
- 11/2014 Kurtarma Eğitimi Simülatörü
- 05/2015 Türkiye’de Düzenlenen İlk Müşteri Eğitimi
- 08/2015 Profinet Eğitim Düzeneği
- 08/2015 NC2 Gamma Simülatörü
- 01/2016 Eğitim Koordinatörü ve İkinci Teknik Eğitim
- 06/2017 Türbin Ana Komponentlerinin Akademiye Gelişi: Bottombox, Topbox, Trafobox, Hidrolik Ünite, Gamma Hub, Pitch Simulator
- 10/2017 **Technology Insight Etkinliği:**  
**Teknik Eğitim Merkezi Resmi Açılışı**
- 11/2017 İlk Teknik Olmayan Eğitim:  
Mavi Yaka Personeller İçin İletişim Eğitimi
- 01/2018 Eğitim Geliştirme: Yaw Converter Eğitimi
- 02/2018 Protecfire Eğitim Düzeneği
- 03/2018 Phoenix Contact Profisafe and Profinet Eğitim Düzeneği
- 03/2018 NC2 Delta Simülatörü
- 07/2018 Minimax Simülatörü



# YETKİNLİK – EĞİTİM İHTİYACI

	Teknik Eğitimler	İş Güvenliği Eğitimleri	Teknik Olmayan Eğitimler
Nordex	<ul style="list-style-type: none"><li>› STTM 0 – STTM 1 – STTM 2</li><li>› Software</li><li>› Troubleshooting</li><li>› Commissioning</li><li>› Customer</li><li>› Service Subcontractor</li><li>› Pitch System</li><li>› Yaw Converter</li><li>› Profinet</li></ul>	<ul style="list-style-type: none"><li>› TSL Rescue Device</li><li>› LOTO Training</li><li>› Fire Extinguishing</li><li>› Electrical Chain Host Induction for Liftket and PLANETA</li><li>› HACA Clifter</li><li>› HSE Induction</li></ul>	
Dış Tedarik	<ul style="list-style-type: none"><li>› Woodward Main Converter*</li><li>› GE Main Converter*</li><li>› Profisafe</li><li>› Hydraulic Training</li><li>› Hailo E-Learning</li><li>› Zarges E-Learning</li><li>› Torque Trainings (ITH and Hytorc)</li><li>› Minimax Detecting and Extinguishing</li><li>› Siemens Genesis II Detecting</li><li>› Protecfire Extinguishing</li><li>› Siemens Switchgear</li></ul>	<ul style="list-style-type: none"><li>› GWO – Working at Height</li><li>› GWO - First Aid</li><li>› EKAT</li></ul>	<ul style="list-style-type: none"><li>› Communication Training</li></ul>

# YETKİNLİK – EĞİTİM İHTİYACI

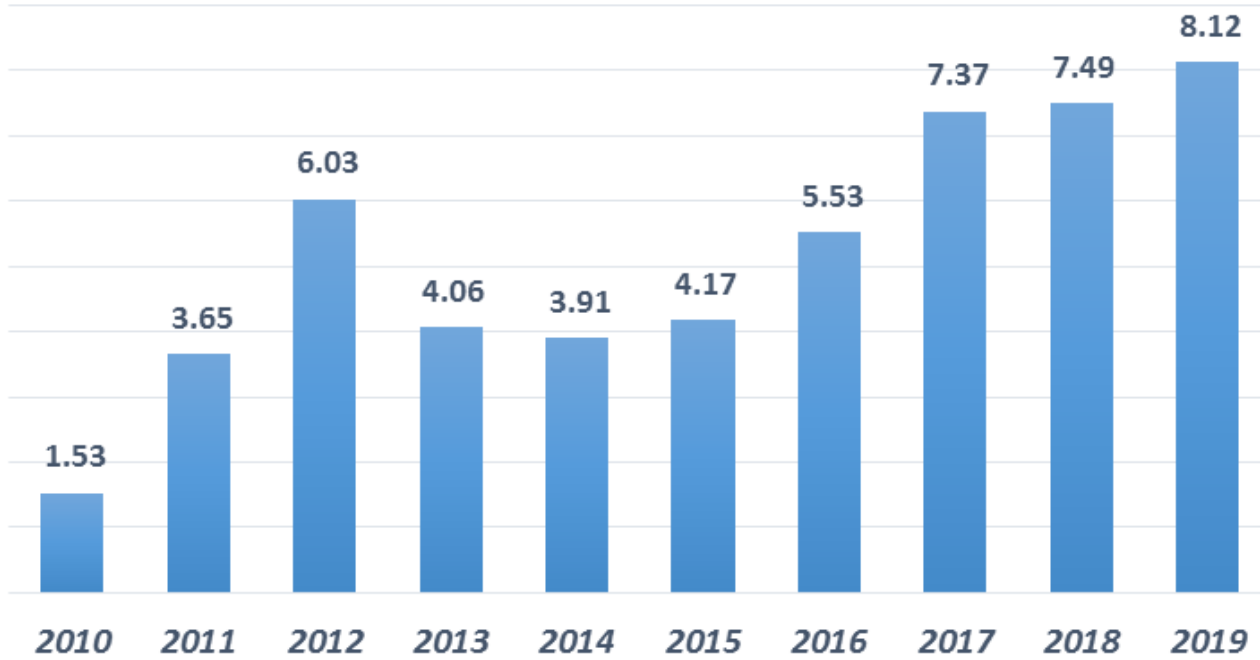


# TEKNİK KONULARDA UZMANLAŞMA

- Yetkin Test ve Devreye Alma Ekibi
  
- TBO – Teknik Destek Birimi
  - Güç Elektroniđi
  - Kontrol Sistemleri
  - Drive Train
  - SCADA ve Network
  - Ekipman ve Yazılım Geliştirme
  - Türbin Arıza Takibi ve Raporlaması
  
- Ana Komponent Deđişim Ekibi
  
- Kanat Ekibi

# YEDEK PARA PLANLAMASI

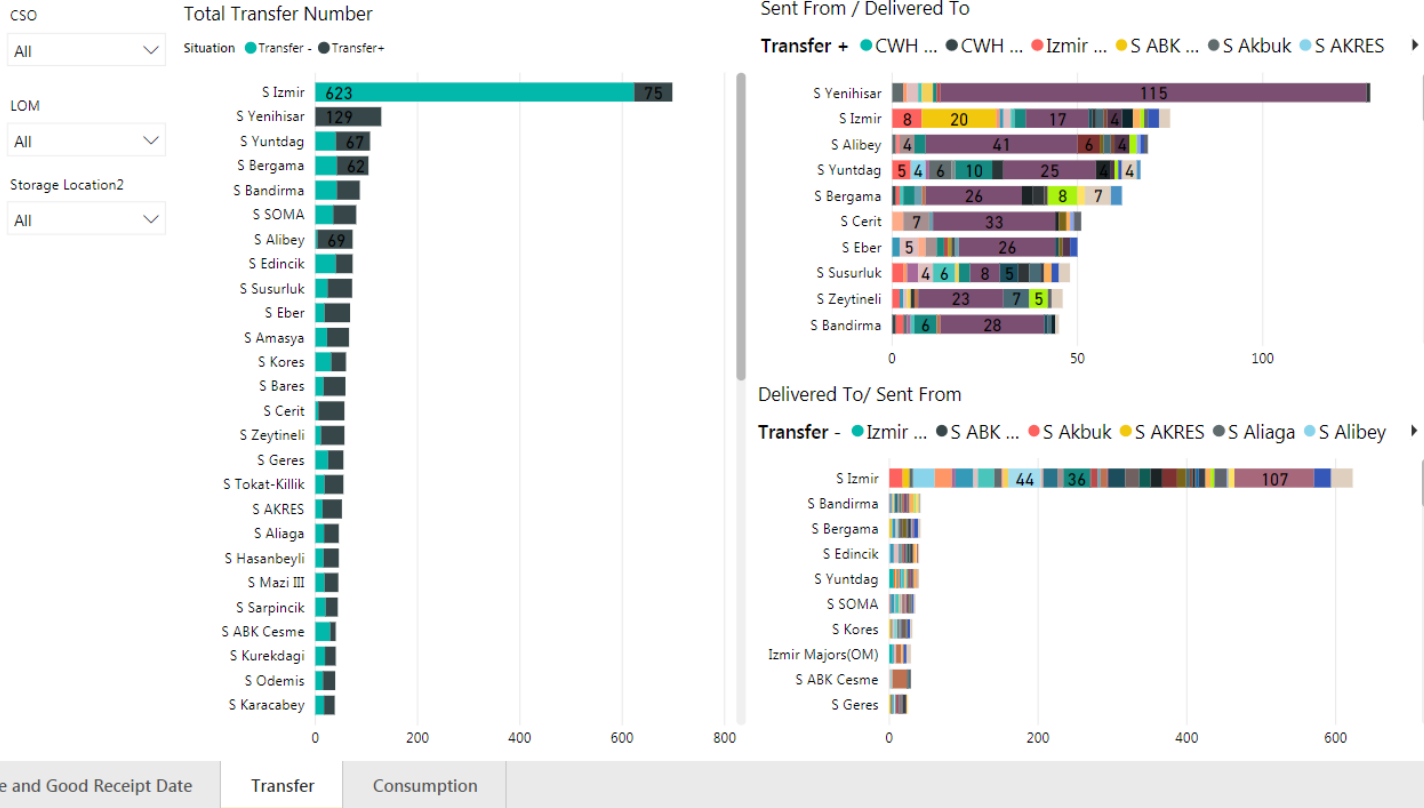
Nordex Trkiye Yedek Para Stoęu (m)



Stok Alanı	Stok Miktarı (m)
NX Ana Komponent	1.28
NX Merkez Depo (İzmir)	0.35
NX Saha Depoları	5.56
AWP Saha Deposu	0.93

# YEDEK PARÇA PLANLAMASI

Transfer Posting Quantity per Storage Location



**> Thanks for  
your attention**