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Pnömatik Makinelere Yapay Zeka Verimliliği

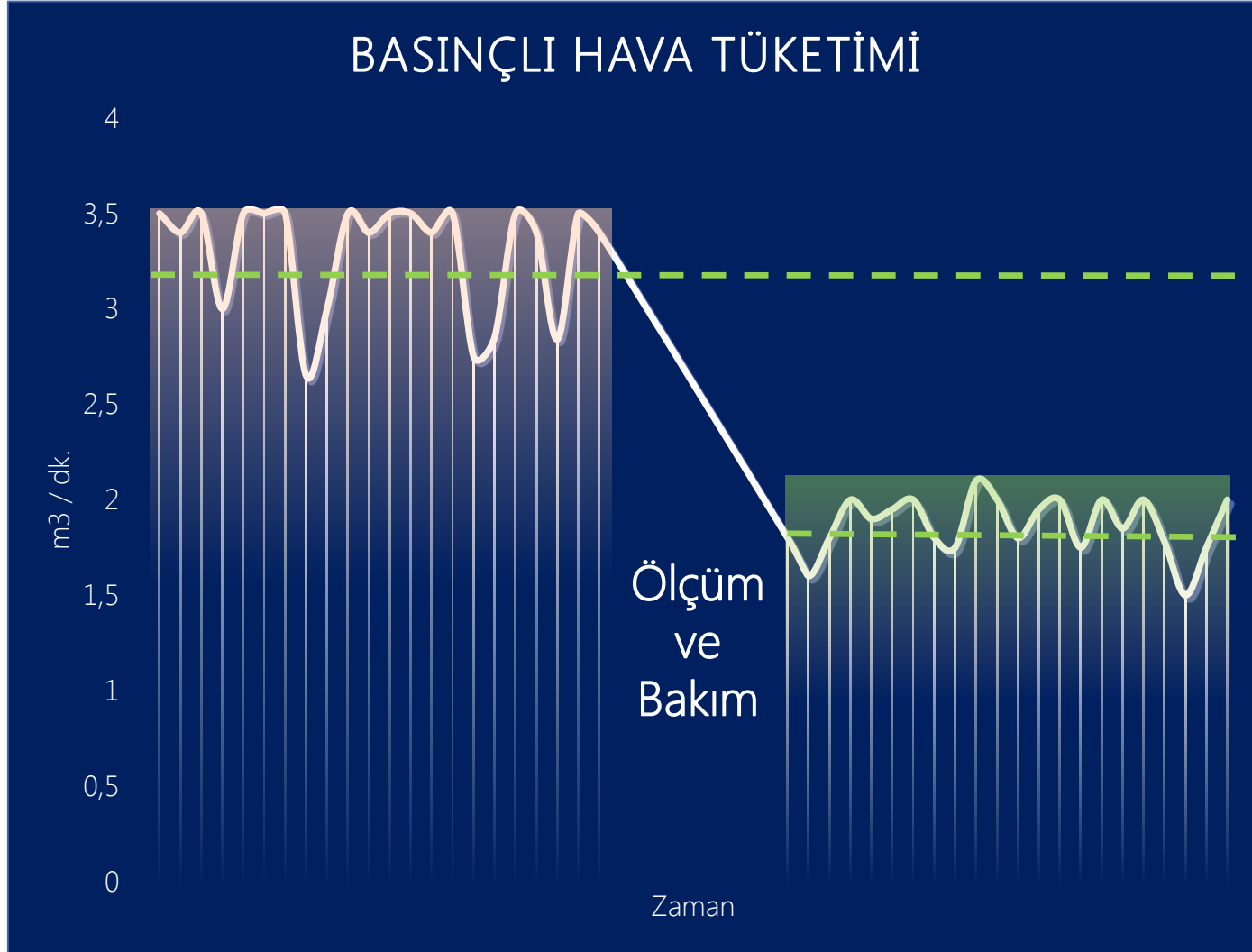


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VERİMLİLİK



ÖLÇÜM ve BAKIM

ENERJİ
TASARRUFU

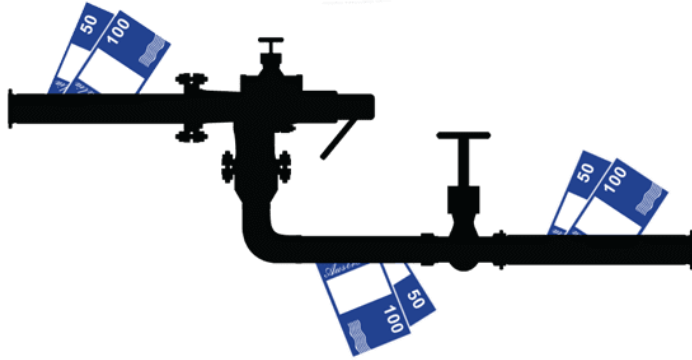
~%35

Kompresör: KAESER ASD32
Makine : LONATI Örme Makineleri
Miktar : 38 adet

BASINÇLI HAVA KAYIP ORANI*

Örme Makineleri
Pnömatik Sistemler

%35



Yuvarlak Örme Makineleri



* Unger, Manuel & Radgen, Peter. (2018). Energy Efficiency in Compressed Air Systems – A review of energy efficiency potentials, technological development, energy policy actions and future importance.

BASINÇLI HAVA KAYBI

Pnömatik Sistemler
Örme Makineleri

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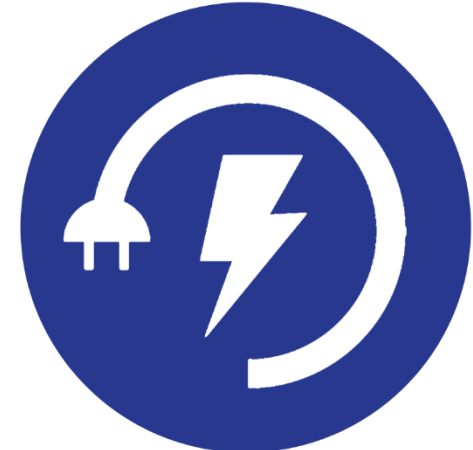
ELEKTRİK ENERJİSİ KAYBI

Pnömatik Sistemler
Örme Makineleri

%35



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ÖLÇME ve BAKIM

ELEKTRİK
ENERJİ TASARRUFU*

%15-30



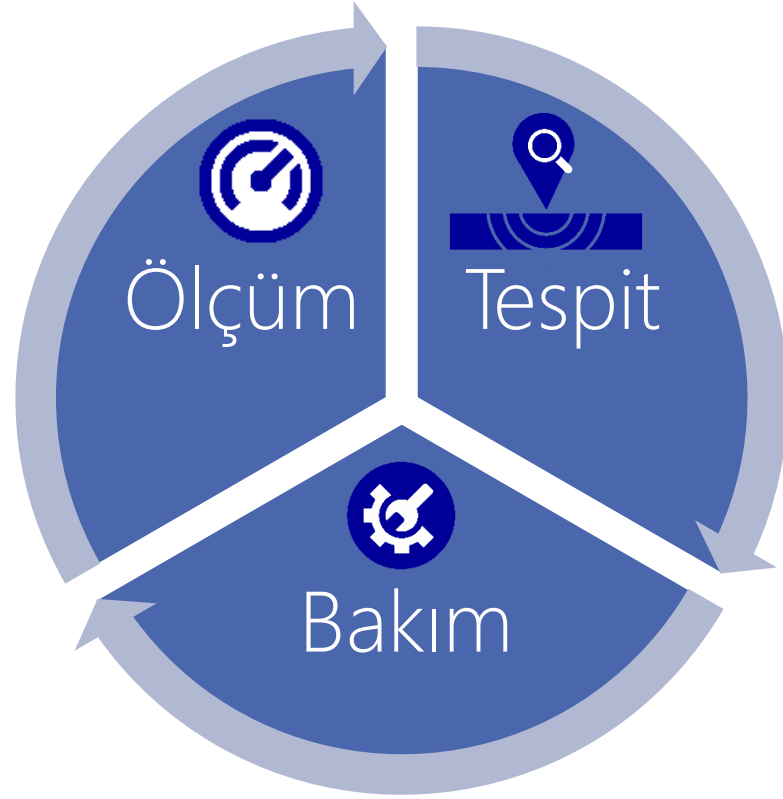
* 'Compressed air systems in the European Union. Energy, emissions, savings potential and policy actions' Radgen, P.; Blaustein, E., ISBN: 3-932298-16-0

Yuvarlak Örme Makineleri



VERİMLİLİK

NASIL?



ÖLÇÜM ve BAKIM

ENERJİ
TASARRUFU | ~%35

VERİMLİLİK

PROBLEM?



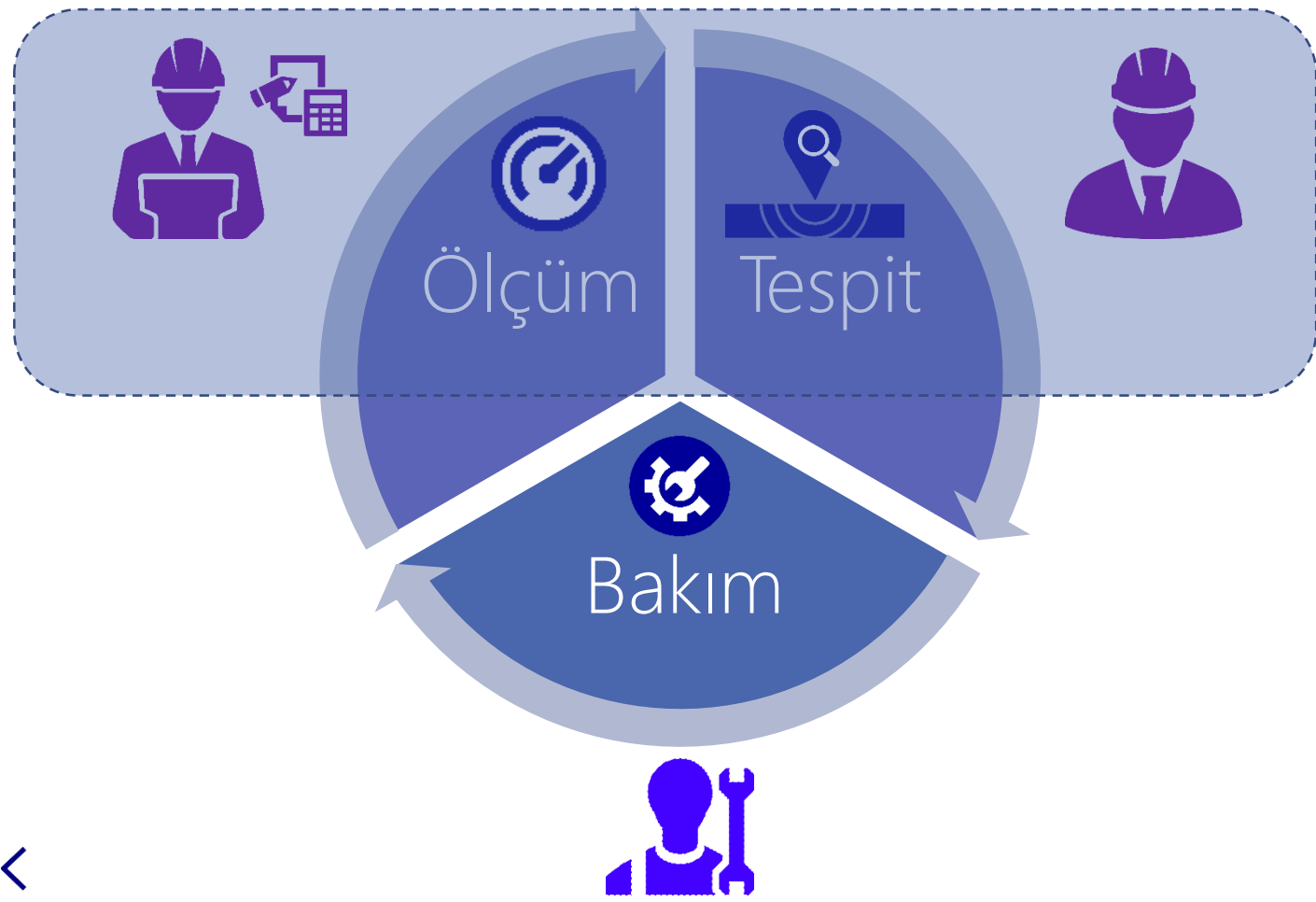
ÖLÇÜM ve BAKIM

ENERJİ
TASARRUFU | **~%35**

YAPAY ZEKA DESTEKLİ ÖLÇÜM ve TESPİT

ÇÖZÜM?

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ÖLÇÜM ve BAKIM

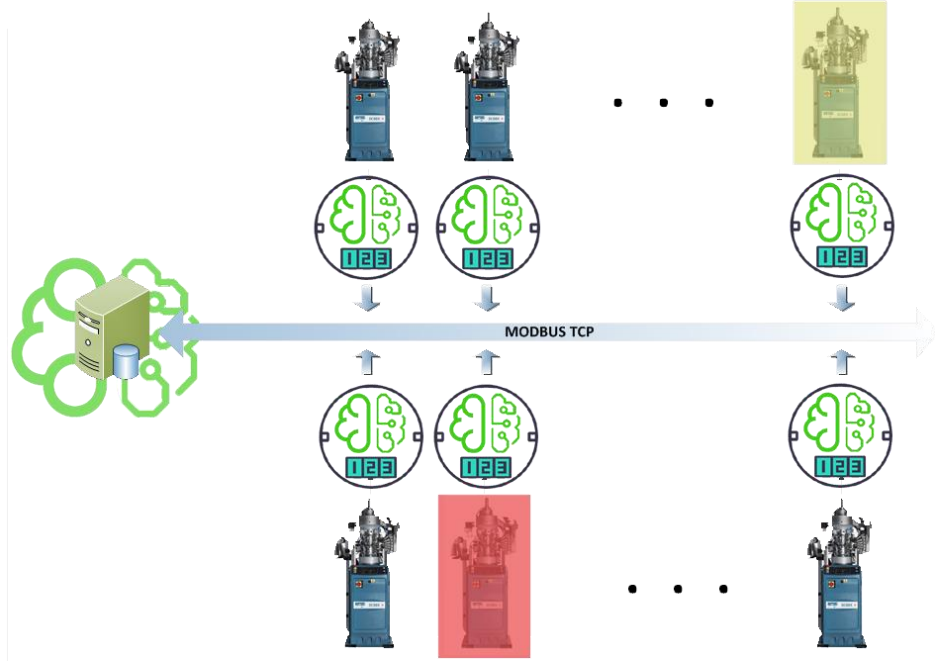
ENERJİ TASARRUFU | **~%35**



SİSTEM

YAPAY ZEKA DESTEKLİ ÖLÇÜM ve TESPİT

IOTINX



ENERJİ
TASARRUFU | \sim %35

YAPAY ZEKA DESTEKLİ ÖLÇÜM ve TESPİT

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NEDİR?

- Personel bağımsız ölçüm
- Yapay Zeka destekli tanılama (Identification)
- Kestirimci bakım (Predictive Maintenance)
- Enerji kaçaklarının anlık tespit
- Daha düşük üretim maliyetleri

ENERJİ
TASARRUFU | ~%35

IOTINX kârlılığı arttırıcı 'veri' üretir.



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YAPAY ZEKA DESTEKLİ ÖLÇÜM ve TESPİT

IOTINX

HANGİ TÜR İŞLETMELER KULLANIR?



Kârlılık



Veri (Data)



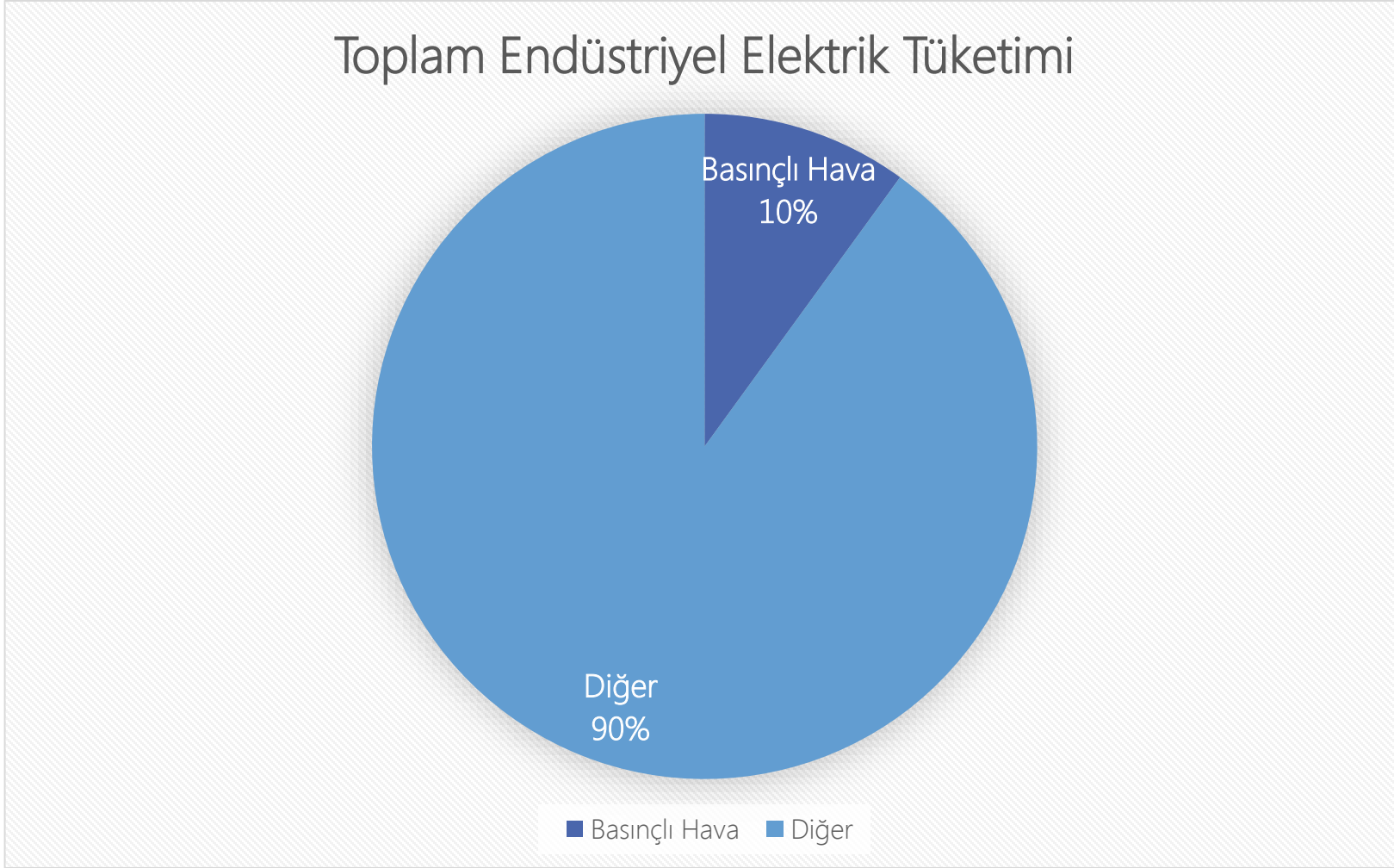
Endüstri 4.0



Verimlilik

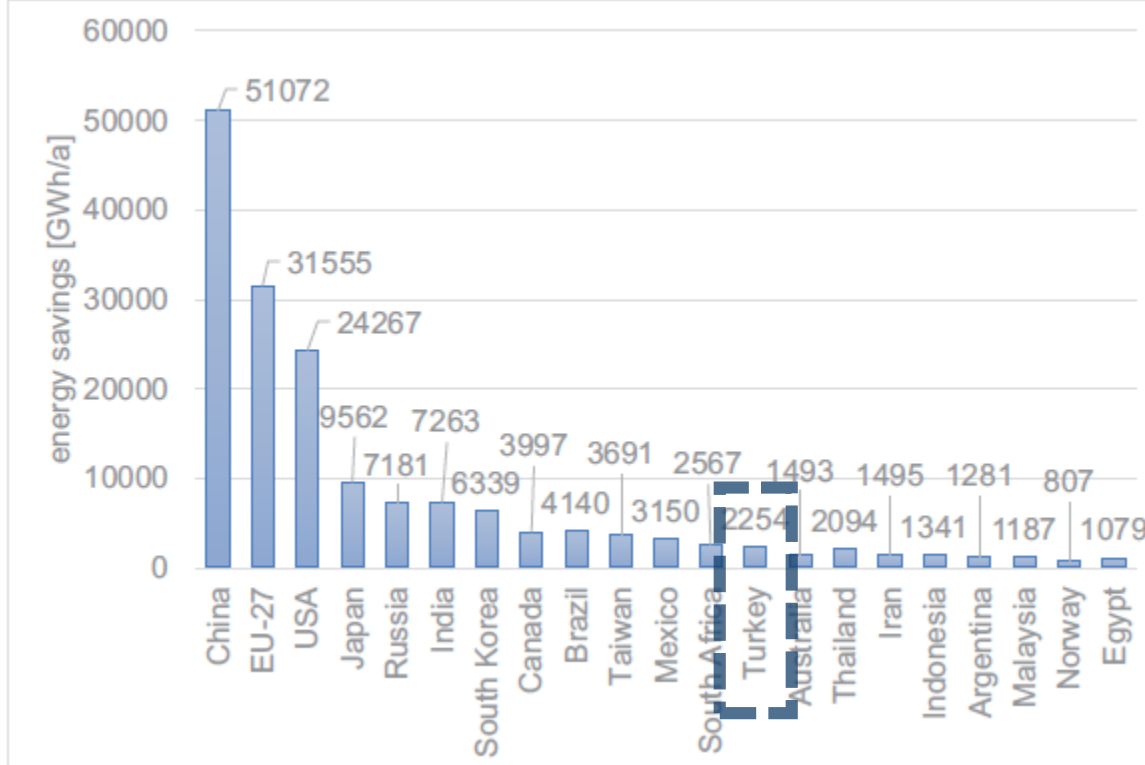
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Endüstride Basınçlı Hava ve Elektrik Enerjisi*



* 'Compressed air systems in the European Union. Energy, emissions, savings potential and policy actions' Radgen, P.; Blaustein, E., ISBN: 3-932298-16-0

Basınçlı Hava Ekonomik Potansiyeli*



Türkiye Potansiyeli ~2.2 TWh / yıl

1.6 Milyar TL/yıl

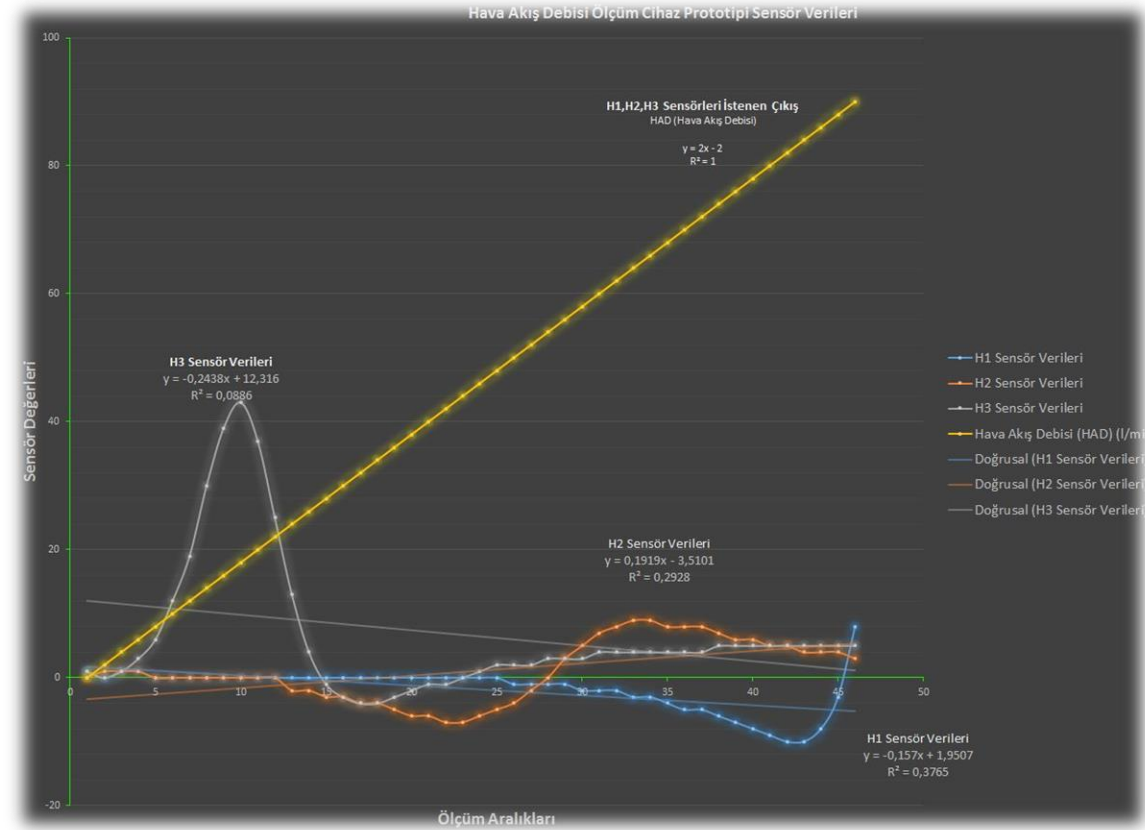
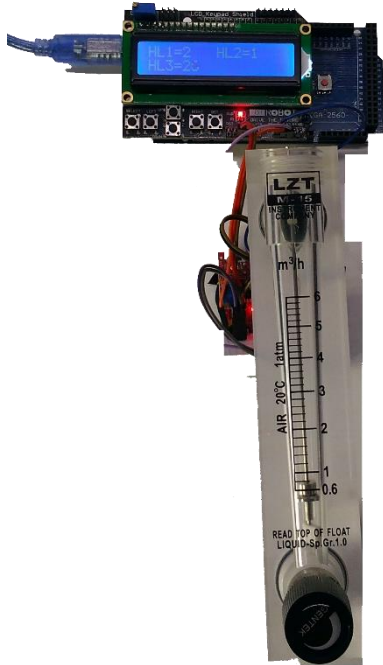
Türkiye'nin elektrik enerjisi tasarruf potansiyeli

* 'Compressed air systems in the European Union. Energy, emissions, savings potential and policy actions' Radgen, P.; Blaustein, E., ISBN: 3-932298-16-0

Hava Akış Debisi Sensör






Sensör Prototipi



The logo for IOTINX is centered within a white rectangular box. It features a green icon of a brain with circuit-like patterns on the left, followed by the word "IOTINX" in a blue, sans-serif font. The background of the slide is dark grey with several overlapping, semi-transparent circles in shades of teal and light blue.

IOTINX

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“Ölçemezseniz,
yönetemezsiniz...”

Peter F. DRUCKER

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