



BORUSAN EnBW Energy



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Operations Director

**Turkey Investment Climate
and New Applications and Regulation**

Husum - GERMANY
17 September 2015

BORUSAN and EnBW PARTNERSHIP

ENERGY JOINT VENTURE

Borusan Holding A.S.

EnBW Holding A.S.

50%

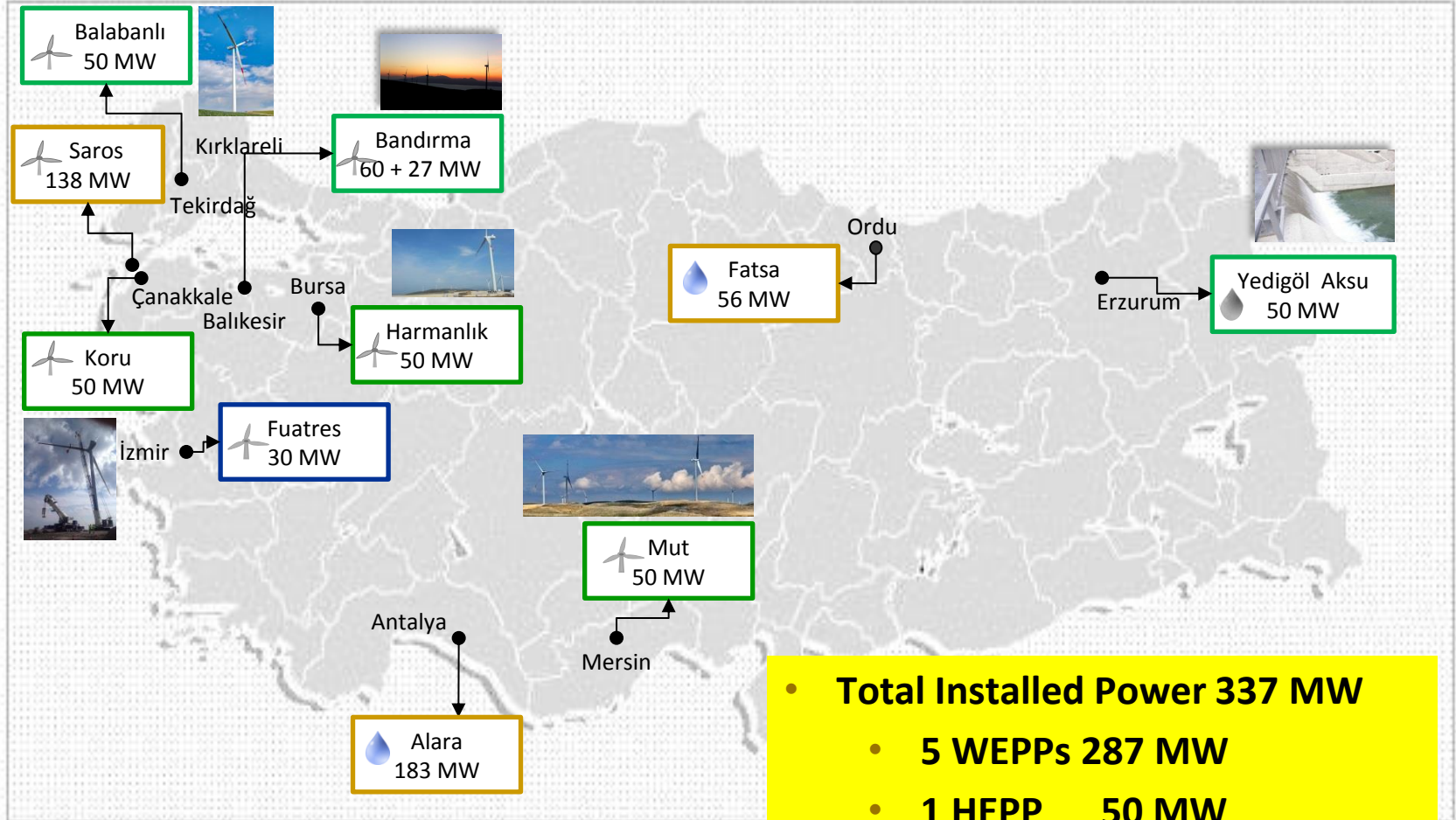
50%



- Partnership July 2009
- 2020 Target Portfolio 2000 MW
 - Wind 1500 MW
 - Hydro 300 MW
 - Solar 200 MW
- Current Portfolio 764 MW

BORUSAN EnBW ENERGY PORTFOLIO PROJECTS

BANDIRMA, BALABANLI, HARMANLIK, KORU, MUT WEPPS & YED GÖL-AKSU HEPP ARE IN OPERATION



- **Total Installed Power 337 MW**
 - **5 WEPPs 287 MW**
 - **1 HEPP 50 MW**
- **In construction WEPP 30 MW**
- **Current Portfolio 764 MW**



Wind



Development



Construction



Hydro RoR

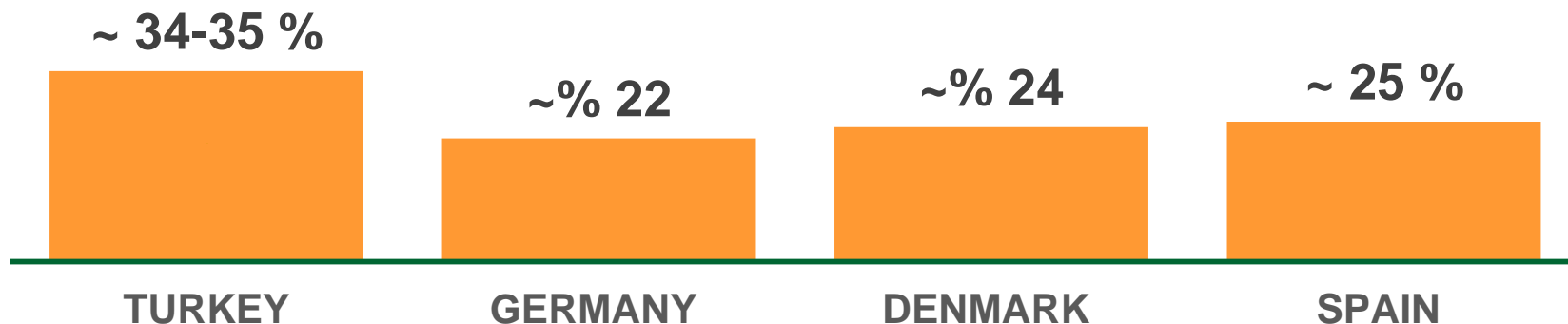


Operating

ONSHORE WIND CAPACITY FACTOR COMPARISON

TURKEY HAS HIGH ONSHORE CAPACITY FACTOR

ONSHORE WIND CAPACITY FACTOR COMPARISON

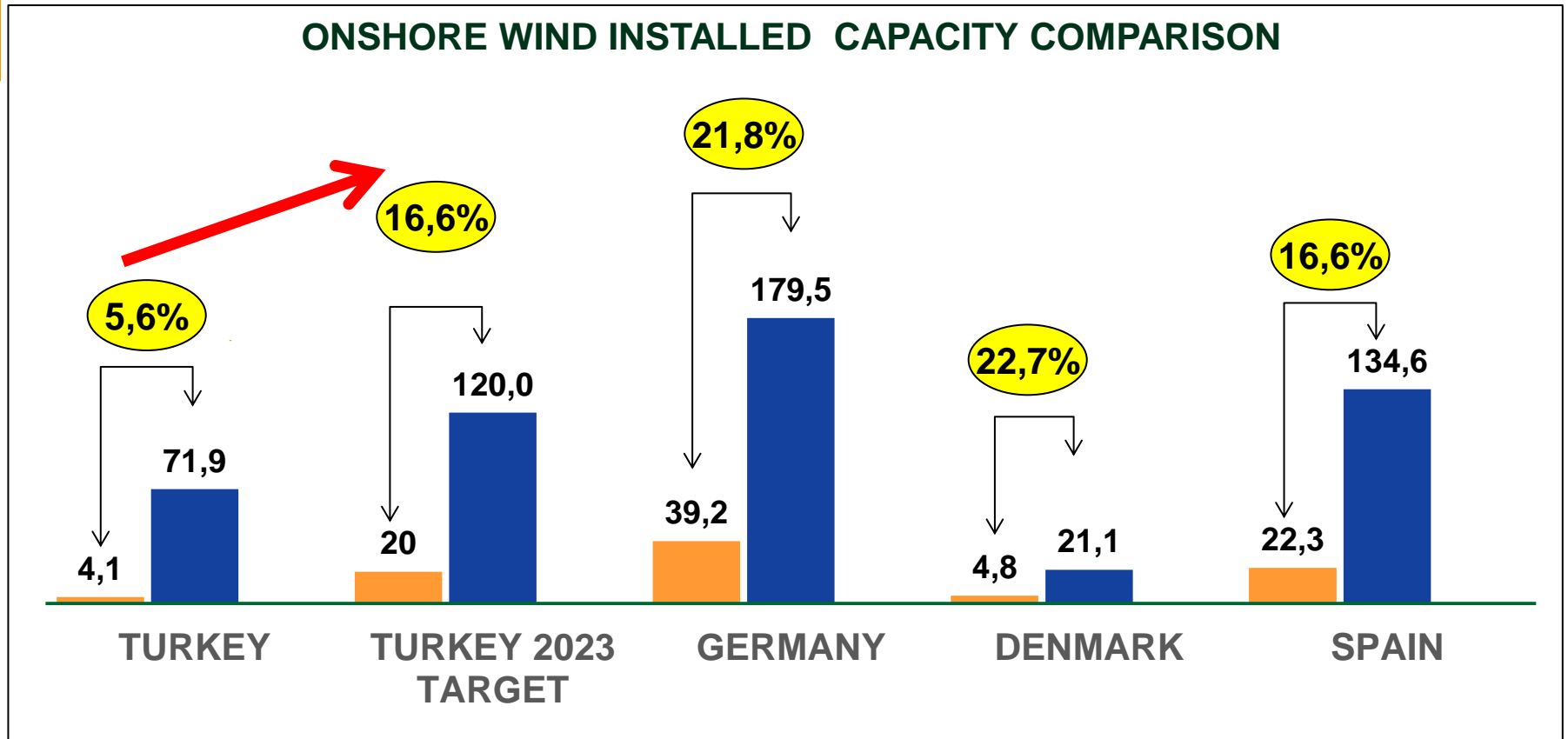


* CF Turkey values are 2013 and 2014 figures , others are 2012 figures.

- CF values are @ 80 meters hub height in Turkey. Higher hub heights have higher CF values.
- Investment costs are relatively lower due to especially low hub heights.

ONSHORE WIND INSTALLED CAPACITY COMPARISON

TURKISH ENERGY MARKET HAS SUBSTANTIAL GAP FOR WIND



- In 8 years installed wind base in Turkey is going to increase 5 times more than today.
- Beyond 2023, Turkish wind energy market has still room for expansion.

TURKISH INVESTMENT CLIMATE FROM INVESTOR PERSPECTIVE

KEY POINTS

- Well established law and legislation infrastructure especially in last 5 years
- Powerful feed in tariff support for renewable energy generation
- ~ 30 % + onshore wind capacity factor @ 80 meters
- 16 GW installment target in 8 years

THANK YOU

Tuna GÜVEN

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