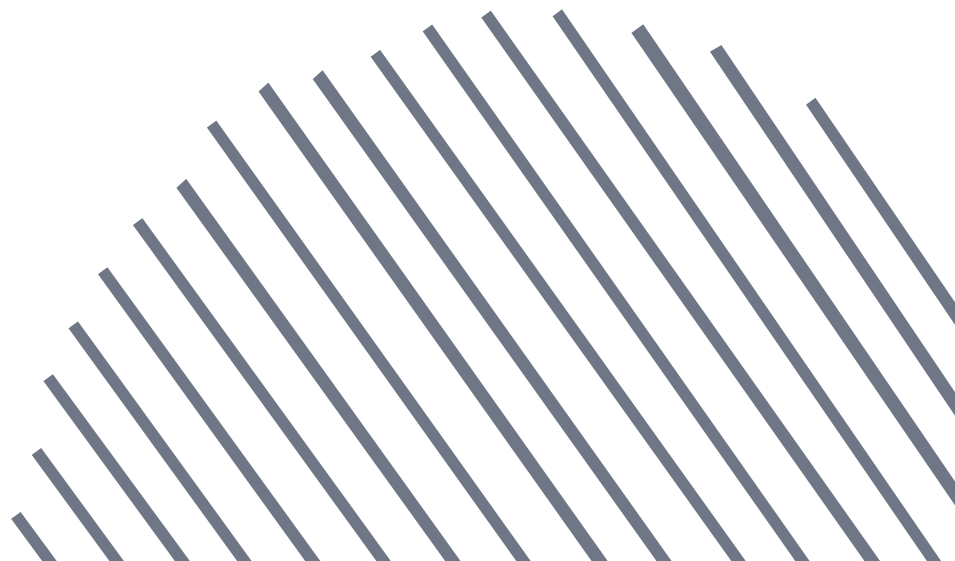
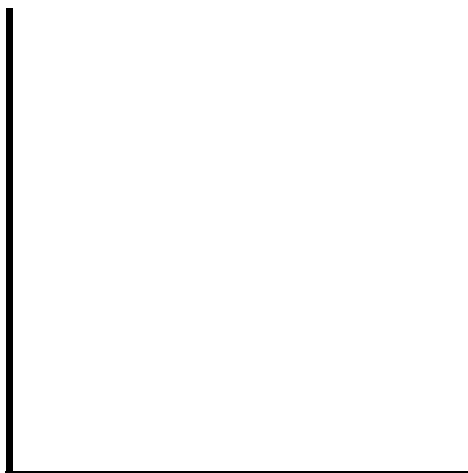




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# ALARA ENERGY GROUP





## ALARA ENERGY GROUP IS MADE UP OF 8 COMPANIES

- ALARES Elektrik Üretim A.Ş.
- ALARTES Elektrik Üretim A.Ş.
- PV Elektrik Üretim A.Ş.
- FOTON Elektrik Üretim A.Ş.
- ALAGES Elektrik Üretim Ltd. Şti.
- MBA Elektrik Üretim Ltd. Şti.
- ENCON Enerji Danışmanlık A.Ş.
- ALARES Energy LLC.

2006/  
2020

# PROJECT HISTORY

## ALARA ENERGY GROUP

ALARA ENERGY GROUP STARTED PROJECT DEVELOPMENT WITH TWO HYDRO POWER PROJECTS IN 2006

ALEL ( 3 MW IN KARABUK ) AND MBA ( 3 MW IN ARTVIN BORCKA )

THE NEXT PROJECTS WERE TWO WIND POWER PROJECTS IN 2007

ALARA I - 72 MW IN ANKARA AND ALARES II - 70 MW IN BURSA GEMLIK

THEN WE STARTED DEVELOPING SOLAR ENERGY PROJECTS IN 2008

ALAGES 12 PROJECTS WITH 420 MW ALL AROUND TURKEY

WE OPENED OUR US OFFICE IN ORLANDO / FL US FOR SOLAR PROJECTS IN 2008

ALARA ENERGY LLC

WE DEVELOPED NATURAL GAS CO-CYCLE PROJECT IN DENIZLI IN 2009

ALARTES 403 MW DENIZLI HONAZ

AS OF TODAY WE DEVELOPED 17 PROJECTS WITH 971 MW'S..

# ALARES II

17.5 MW

WIND POWER PLANT

BURSA





## Main Technical Data

Power - 17.5 MW

Turbine Type - GE-2.5 MW

(subject to change)

Net Energy yield - ~ 55,162,000 kWh/y

(%34 Capacity factor)

Distance to the grid; level to/of high voltage grid: 8km/154 kV

## Project Milestones

Application for Energy Production License  
Nov 1 2007

Measurement started (80m height Met Mast)  
Aug 24, 2009

Wind Data approved by Lahmeyer Int. GmbH  
Feb 21, 2011

Grid connection is secured Jun 30, 2011



## SITE DATA

Region - Marmara Region

Administrative district - Bursa

Municipality - Gemlik

Utilisation of ground - Sheepfarming and unused

Average wind speed - 7.4 m/s (80m)

Altitude - 800 m





## ECONOMICS & FINANCE

2006/2020 Project

Total investment.....:	20.125.000 USD
Equity/Loan-Ratio.....:	0.70 : 0.30
Investment per MW.....:	1.150.000.- USD
Net Energy yield.....:	~ 55,188,000 kWh/y (%34 capacity factor)
Power Purchase Rate.....:	7.3 \$c/kWh



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