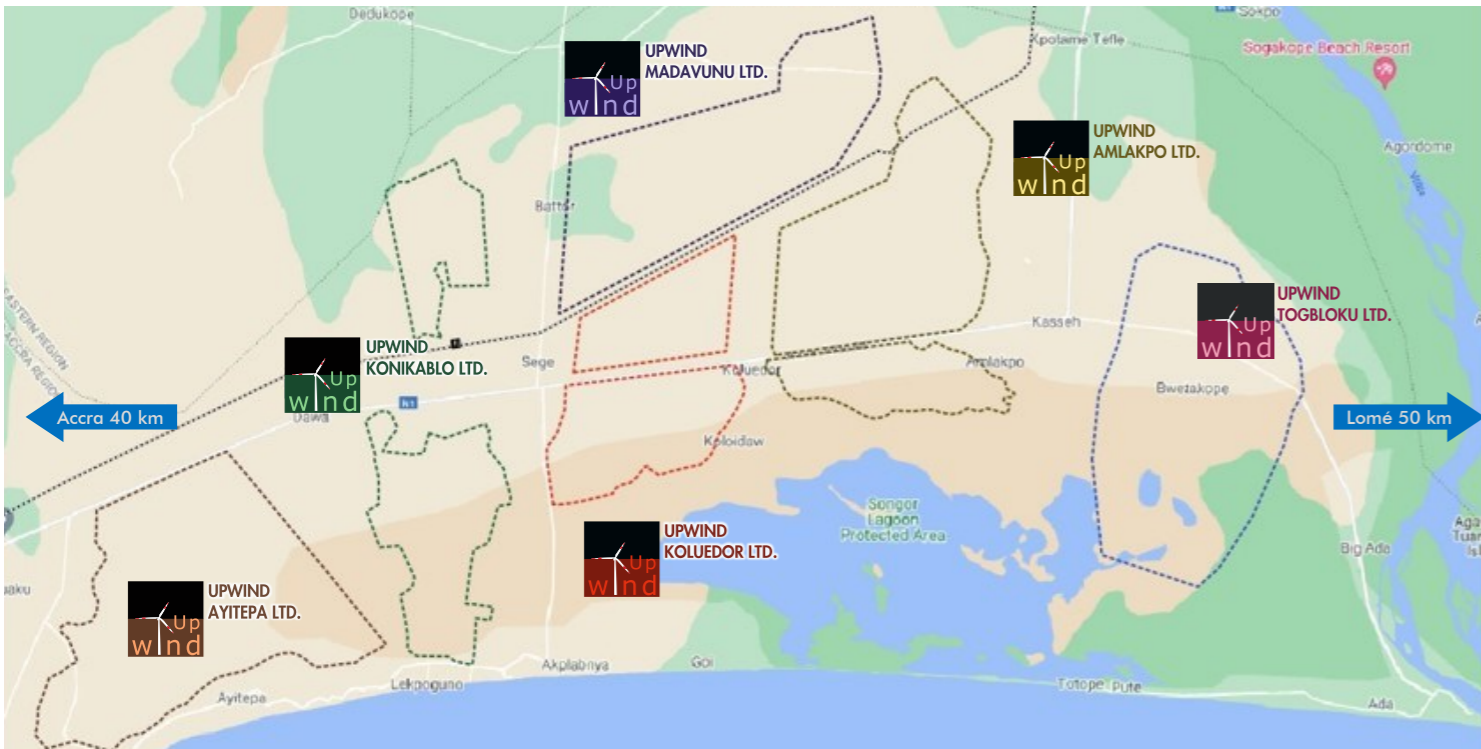




# NEK'S WIND POWER PROJECT PIPELINE IN GHANA

## Locations



The project sites are located in the Greater Accra Region between Tsopoli and Ada. They are North and South of the Accra-Aflao-Road and have a good connection to Tema harbour.

## Investment Partners

- ★The 1,250 MW wind power portfolio requires up to \$1.8 bio investment, which NEK together with third party equity providers and lenders will provide
- ★The wind farms have the unanimous support from the World Bank Group, IFC, OPIC, KfW, GIZ and other well positioned international finance organisations
- ★The projects are in line with the policy of the ECOWAS states to increase the percentage of renewables within the generation mix and providing guarantees for IPP's while also recognizing the added benefits to the economy

## Contact



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# NEK'S WIND POWER PROJECT PIPELINE IN GHANA

## Make Ghana the Largest Renewable Energy Hub in West Africa!



**NEK**  
**UMWELTECHNIK AG**



# NEK'S WIND POWER PROJECT PIPELINE IN GHANA

## Make Ghana the Largest Renewable Energy Hub in West Africa!

### NEK Umwelttechnik AG

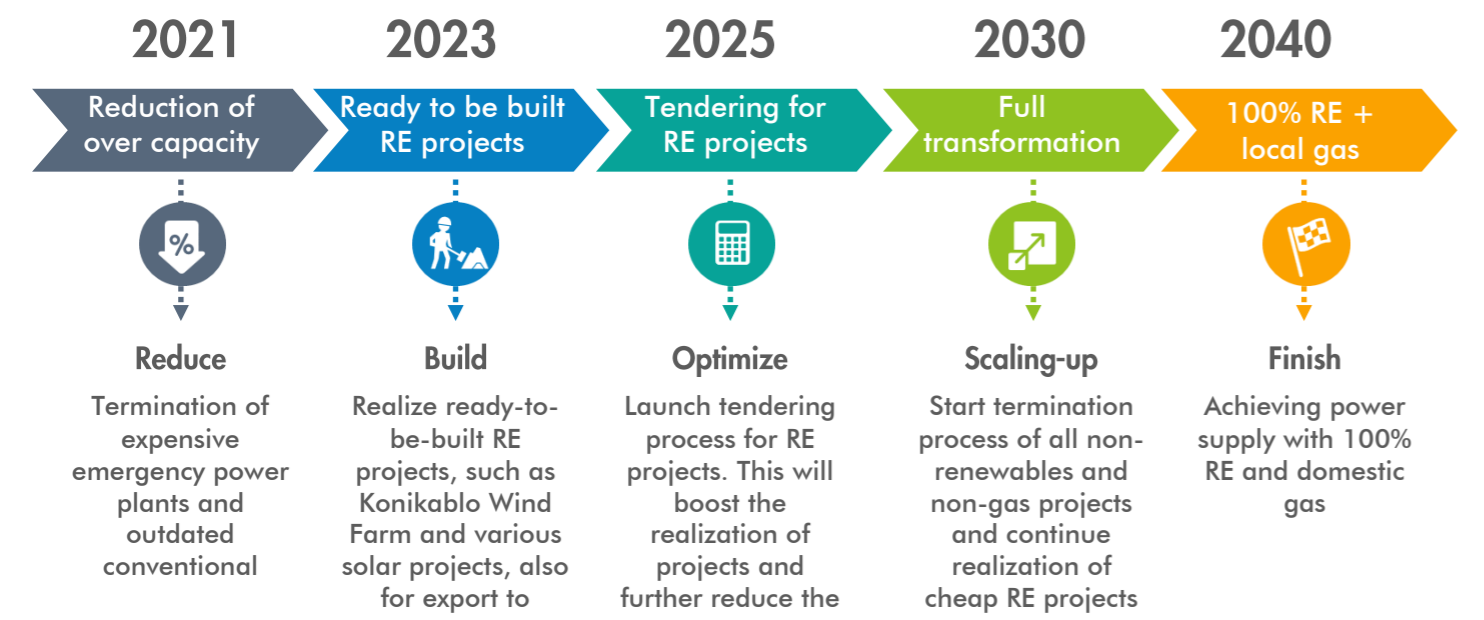
NEK Umwelttechnik AG, which was established in 1989, is a Swiss engineering company active worldwide in several application fields related to renewable energy, mainly wind park developments. With over 25 years of experience in the RE sector, NEK is an expert in specialized management and engineering services related to wind energy. The company is active in Ghana since 1998.

NEK (Ghana) Ltd. is one of NEK's affiliated branch offices based in Accra and works on project developments in Ghana.

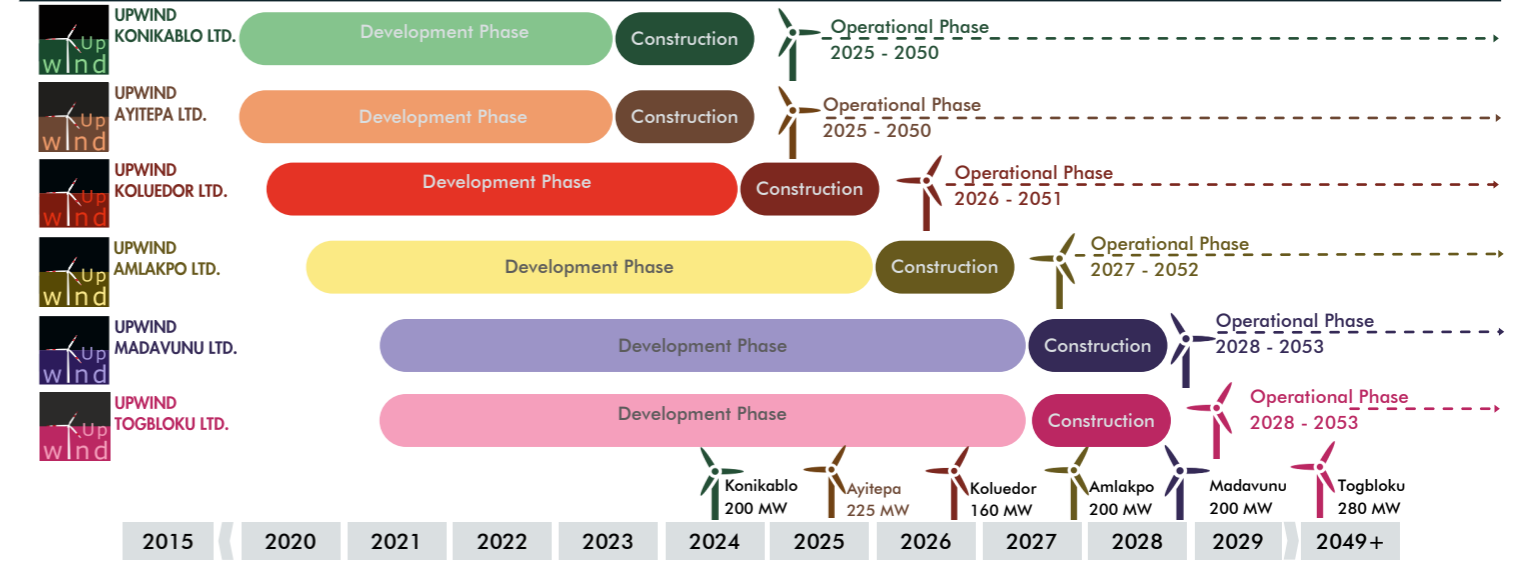
### Introduction & Background

- ★ Ghana has good and untapped wind resources at selected locations
- ★ Power demand in Ghana and surrounding ECOWAS states is continuously growing
- ★ In medium- to long-term, Renewable Energies will be the only reasonable and feasible power source
- ★ Thanks to its geographic position, Ghana has the potential to become a regional Renewable Energy Hub and increase GDP and employment also by means of electricity export
- ★ Interest of foreign investors for Renewable Energy Projects in Ghana is huge - supposed stable conditions and clear structures are granted
- ★ Current challenges in the electricity sector in Ghana (high kWh prices, fuel supply problems, decreasing level of Volta Lake, over-supply due to outdated and very expensive emergency power deals) can be adequately addressed by quickly and strongly increasing the Renewable Energy Penetration in the electricity mix

### Transition of Ghana's Electricity Supply



### Indicative Implementation Schedule



### Environmental Aspects

- ★ Environmental and Social Impact Assessments have been carried out for all wind farms, respective EPA permits were obtained
- ★ No resettlements of people are required
- ★ Park design accounts for adequate turbine spacing and sufficient distance to houses and roads
- ★ Farmers will continue cultivating their land around the turbines, with financial and skill contributions coming
- ★ Irrigation systems and new farming technologies to motivate farmers to cultivate their land
- ★ Bird and bat studies carried out show the compliance of the projects with highest international standards

### Community Engagement and Investments

- ★ The projects will fund training and education institutions in the project area for health, agriculture and social benefits
  - ★ A special project fund will contribute on a yearly basis with more than \$ 2 mio to support the local population
  - ★ The rightful owners of the land do lease the plots for the turbines to NEK for a yearly defined rental fee - NEK does not purchase the land.
  - ★ The land is just leased and belongs to the traditional owners also once the wind farms will be operational
  - ★ The projects will be implemented in regions where there is a need for social and industrial development
  - ★ The projects will generate various employment opportunities both locally and regionally
  - ★ The projects will use local contractors whenever possible
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