



POWER INNOVATIONS IN COMMERCIAL AGRICULTURE (PICA) PROJECT

'A strategic Partnership for Scaling Results and Impacts"







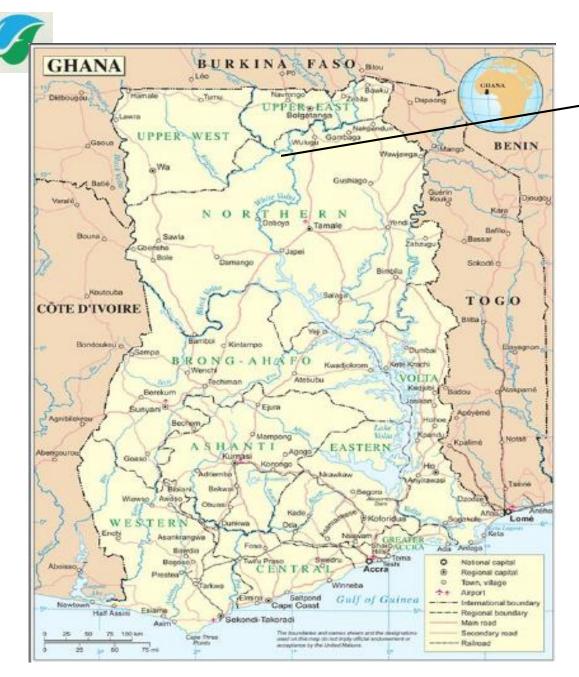
Promotion of a demand - driven and Private Sectororiented approach Who are we ?







- A Water Management and Agriculture Development Company , 100% owned by the African Tiger Holding Group (ATHL).
- Operating our flagship 400-hectare nucleus-out-grower irrigated farm estate in Yagaba under a PPP in collaboration with SADA and with financial support from the Dutch Sustainable Water Fund (FDW) and GCAP.
- Working with 150 on-farm and 350 off-farm smallholders (and scaling up)
- With the support from USAID | Ghana EG Office, IWAD is in the process of installing a solar power plant and other smaller solar solutions to provide reliable power to irrigation farmers
- Currently assessing the potential for up scaling irrigation practices up to 5,000 ha
- Crop range: maize, rice, sugarcane, soya and vegetables (onion)
- Research and support knowledge transfer projects (Damongo college, UDS, Sari, Wageningen University and the Sugar Cane Training and Research Institute (MSIRI - Mauritius))



Sisili-Kulpawn Basin located Between

- Latitudes 10 ° and 10¹/₂° N
- Longitudes 1° and 1¹/₂° W

District Mamprugu Moaduri District

Rivers: *Kulpawn, Sisili*





Why PICA with USAID | Ghana EG Office?

- Commercial Agriculture is here!
- Commercial Agriculture needs Irrigation
- Irrigation needs Energy
- Fuel in Ghana is expensive
- Electricity is still unreliable!
- Electricity is expensive in Ghana







Objective 1

• Building 0.5 MW infrastructure for a solar hybrid power generation system







Objective 2

• Secure the provision of low cost power for irrigated farming







Objective 3

• Improved productivity of smallholder out-growers through application of smaller solar irrigation initiatives:







A Strategic Partnership for Scaling Results and Impacts

- PICA is a joint effort (combination of donor support and private sector-led development)
- 2. This collaboration a promising new funding modality for private sector engagement. Government institutions will continue to attract significant support from the donors but both should recognize the dynamics of the business climate, private sector players, especially related to agriculture and irrigation development which comes with very high cost (\$12.000 / ha)
- 3. Donors and Government must gradually move forward from testing/pilots schemes to major direct partnership investments (PPP, other co-financing instruments (loans, grants) to mobilize additional private investments and secure the engagement of the private partner
- 4. The private sector business case in agriculture will look well beyond a donor driven 3 to 5 year project cycle period which allows for scaling results and impact





Introducing farmers to solar irrigation



Encouraging future farmers







Giving young men and women an experience of commercial farming











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