

POWER INNOVATIONS IN COMMERCIAL AGRICULTURE (PICA) PROJECT

“A strategic Partnership for Scaling Results and Impacts”



Promotion of a demand - driven and Private Sector-
oriented 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 $10\frac{1}{2}^{\circ}$ N
- **Longitudes** - 1° and $1\frac{1}{2}^{\circ}$ 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

1. 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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