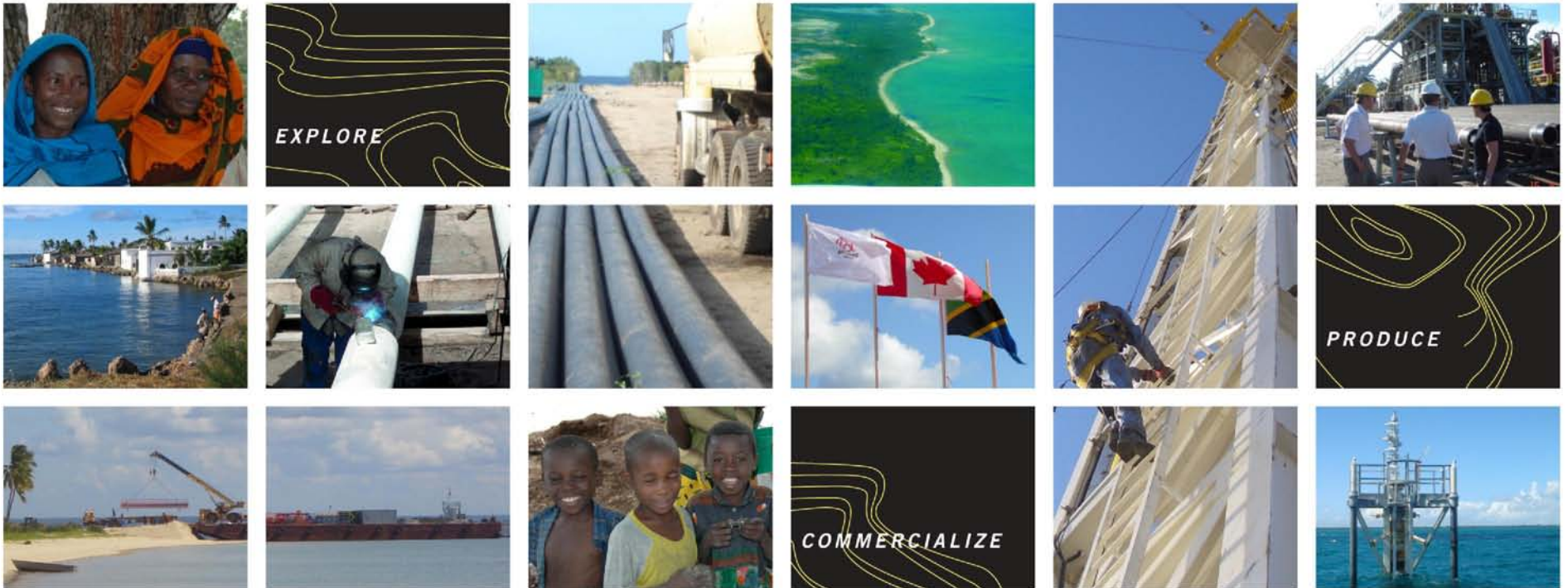




# ARTUMAS GROUP



CDM Workshop Dar Es  
Salaam Jan 2008

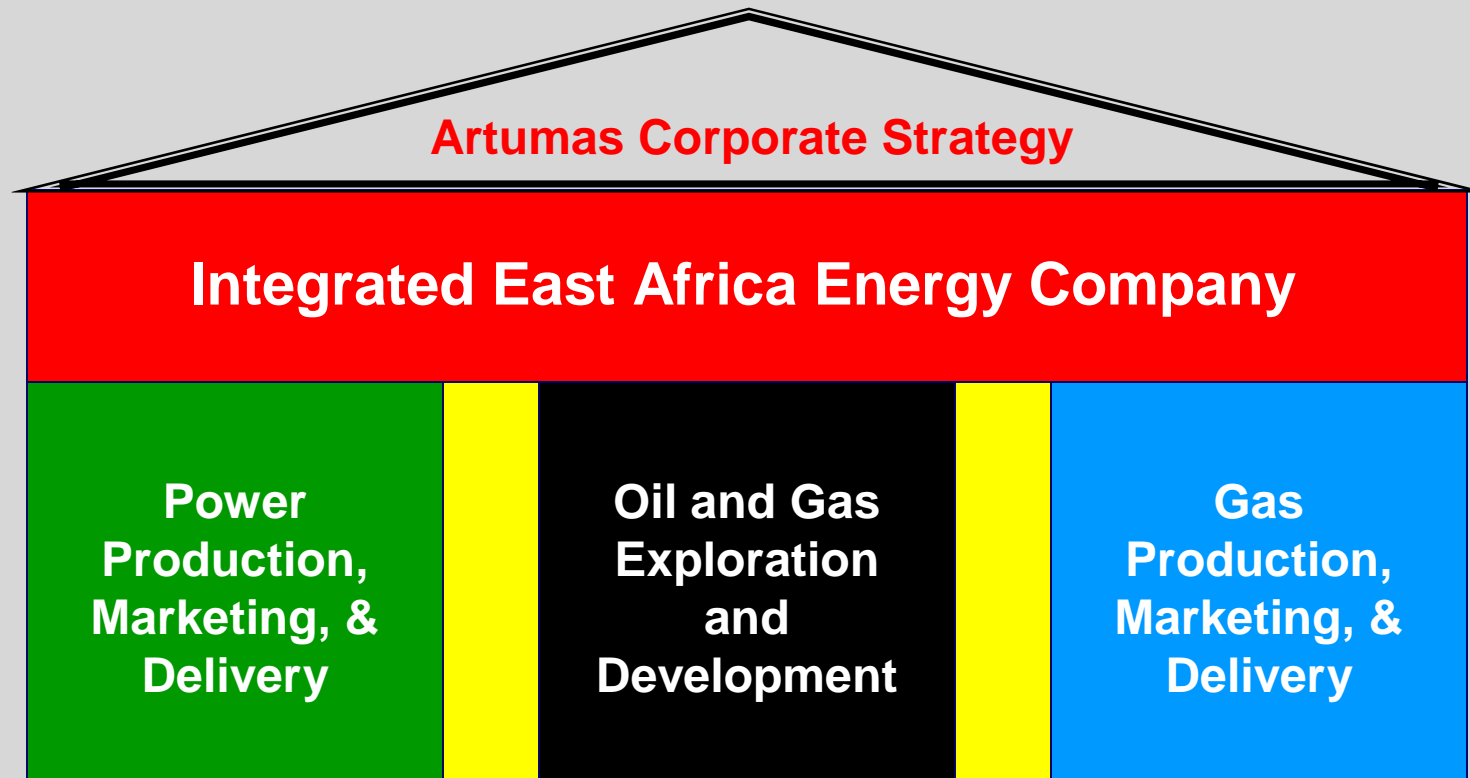
**COMPANY PRESENTATION**



# The Importance of Infrastructure for business development

- Ø Who are we?
- Ø What have we Achieved to date?
- Ø What is our Vision for the Future?
- Ø How do we Unlock the Wealth of Opportunities?
- Ø Private Sector Development and Job Creation  
Micro and Macro Perspective.
- Ø Carbon Credits, who they are produced within the  
MEP

# Artumas Pillars for Success



**Founded in 2001**

**HQ in Calgary, and Regional offices in Dar es Salaam**

**Listed on the Norwegian Stock Exchange 2005**

**ARTUMASGROUP**

# Artumas: Value Growth in East Africa

Strong position in East Africa with Billion Barrel potential

- § Early Mover in Tanzania and Mozambique
- § Hydrocarbon potential of Rovuma Delta Basin being compared with GoM, Niger Delta, K-G Basin by oil companies and reputed G&G consultants

New oil province with positive regulatory outlook

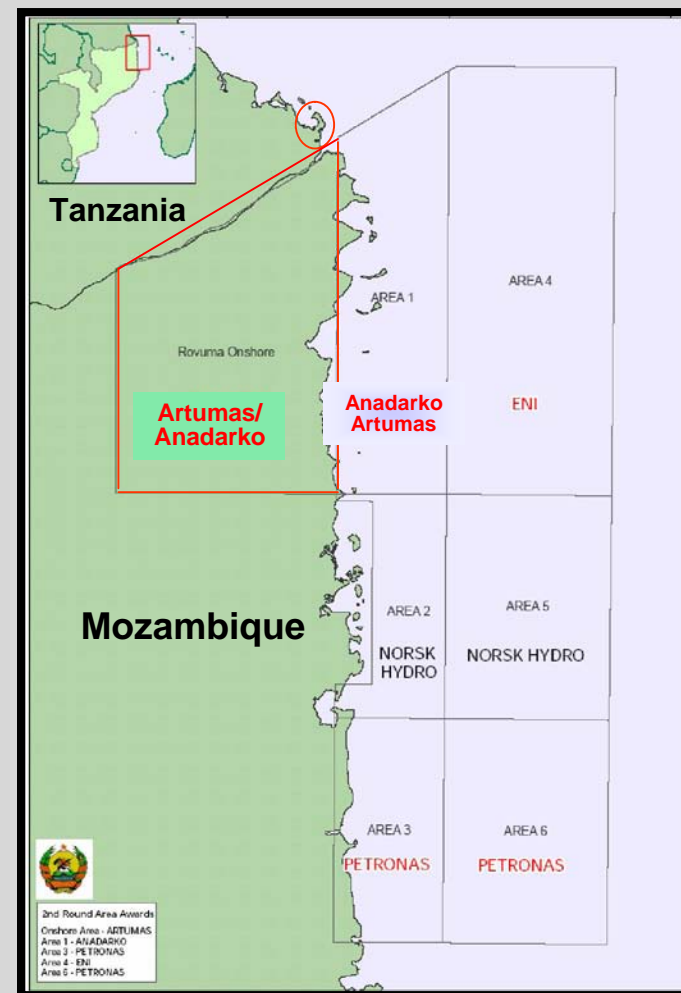
- § Limited political risk, competitive above ground environment
- § Oil and gas sales targeted to regional, national, and international markets
- § East African power crisis creating numerous gas offtake opportunities

Balanced portfolio with high impact potential

- § Resources established from ongoing operations in Tanzania
- § Huge oil and gas exploration potential in Rovuma Basin

Well positioned for further growth

- § Experienced and well connected executive management team with excellent government relations
- § Strategic partnerships established (e.g. Anadarko, FMO)
- § Solid pool of highly qualified staff in place



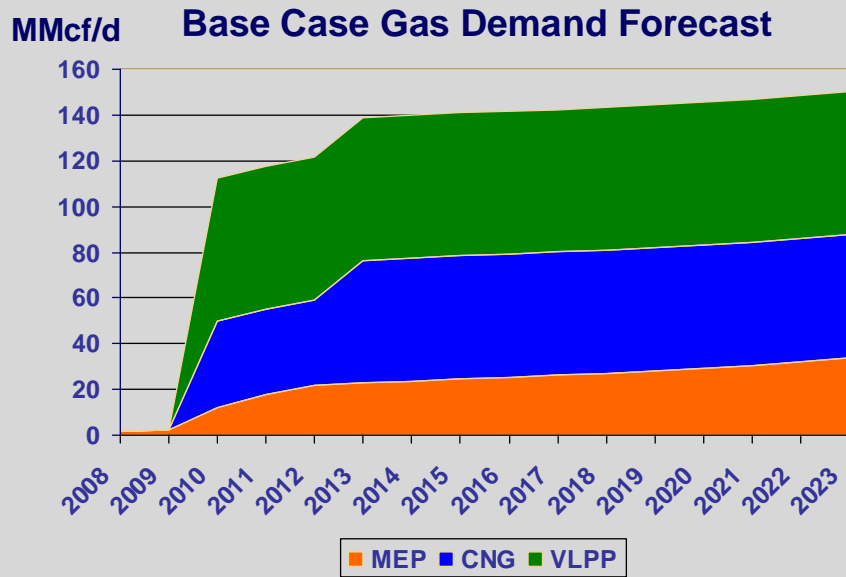
# Fuelling Growth: 2008 – 2023 Resource Requirement

Commercialization Option & Cummul Gas Demand	Gross Cum. Gas Load *	Mnazi Bay Concession *		
<hr/>		<hr/>		
Local/Regional Load (131 Bcf)	131 Bcf	P90: 242	Pmean 759	P10: 1460
Large Scale Generation (341 Bcf)	472 Bcf			
Marine CNG Gas Export (271 Bcf)	743 Bcf			

**Mnazi Bay Concession Resource Base will support proposed Commercialization options, and more.**

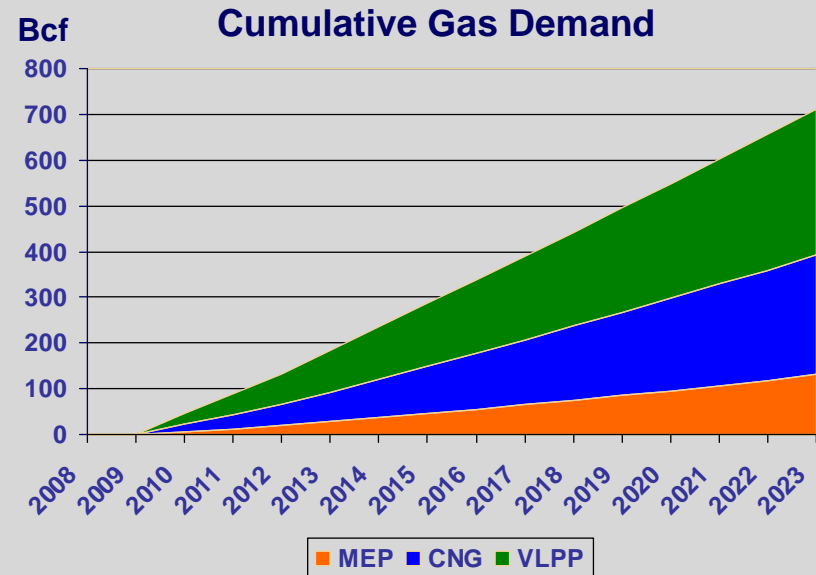
\* Sources: *AGI Base Load Forecast; RPS-APA (APA Petroleum Engineering Inc.) October 15, 2007 Commercially recoverable resource; Assumes 75% Technical Recovery Factor, 85% Commercial Recovery adjustment factor*

# Fuelling Economic Development: Base Case Load Forecast



- Base MEP project ~35 MMcf/d by 2023; industrial, residential, cement manufacture, Mozambique exports
- Marine CNG project at 35 MMcf/d in 2010, increasing to 50 MMcf/d in 2013
- Large scale power project (VLPP) gas load steady at ~62.5 MMcf/d over contract life

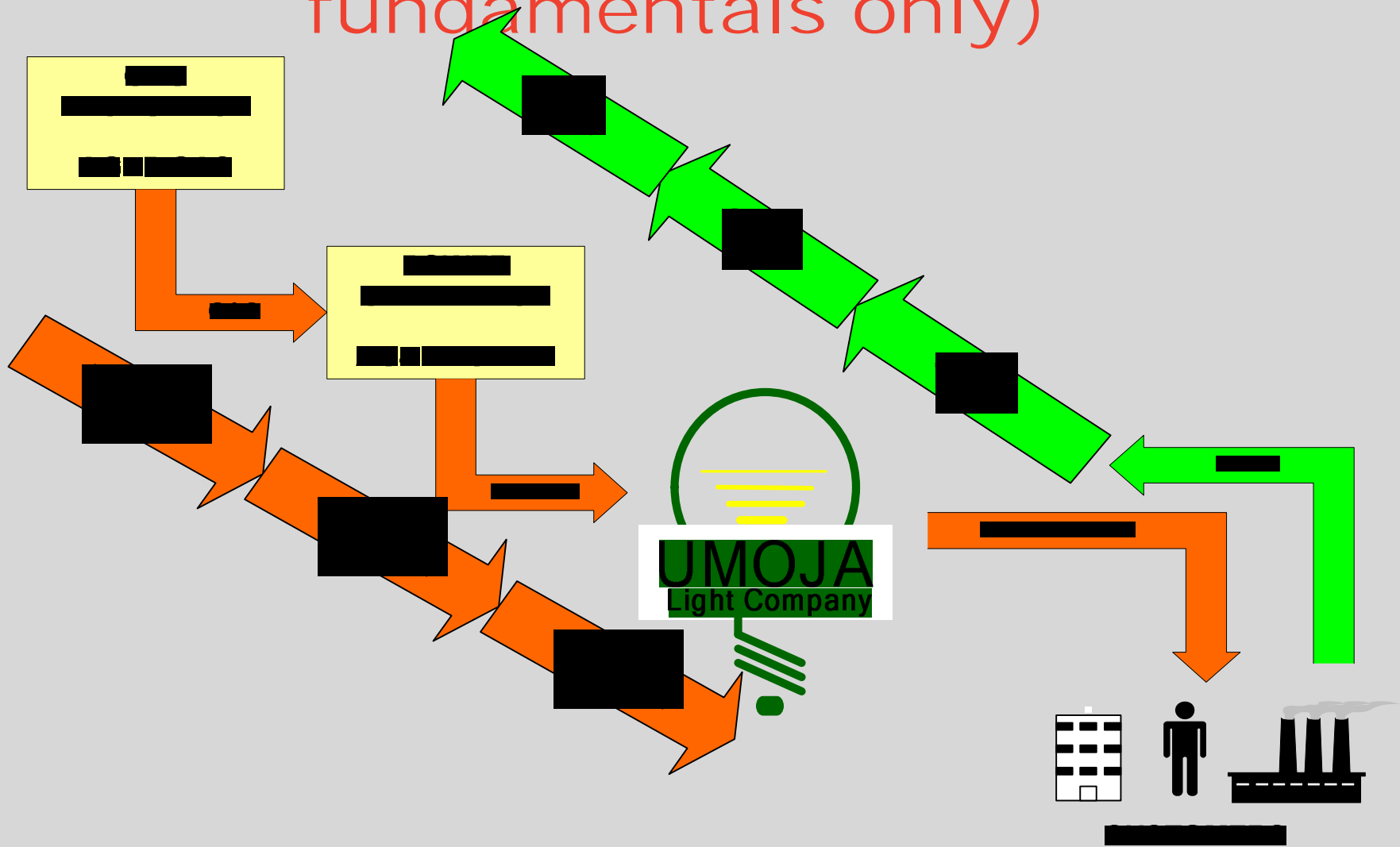
- Resulting cumulative gas demand ~750 Bcf of commercially recoverable resource over the 15 year forecast period



# Mtwara Energy Project: A Strong Foundation for Tomorrow



# TOTAL ENERGY SOLUTION (the fundamentals only)





# Mtwara Power Plant

October 26/06



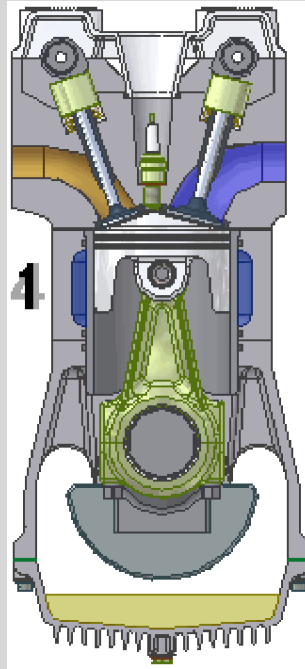
January 12/07



**AIR** - mostly

- 23% Oxygen
- 76% Nitrogen

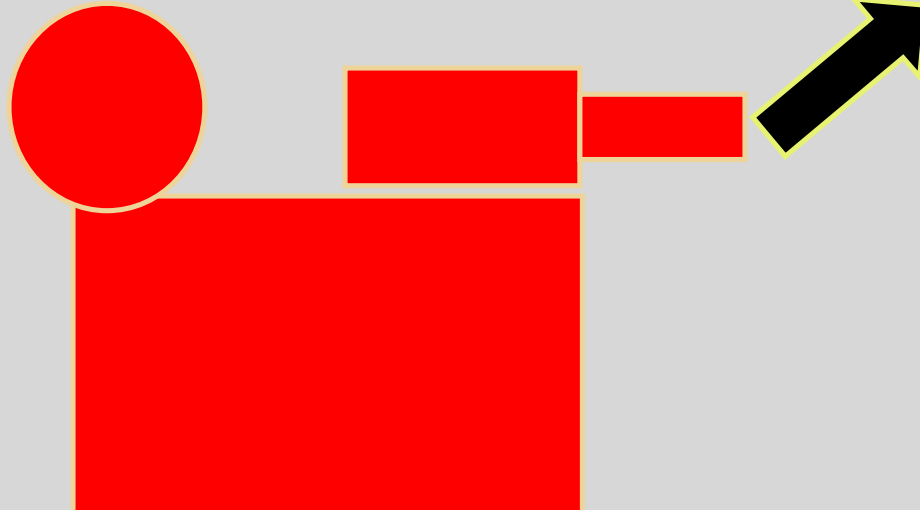
Say 9:1



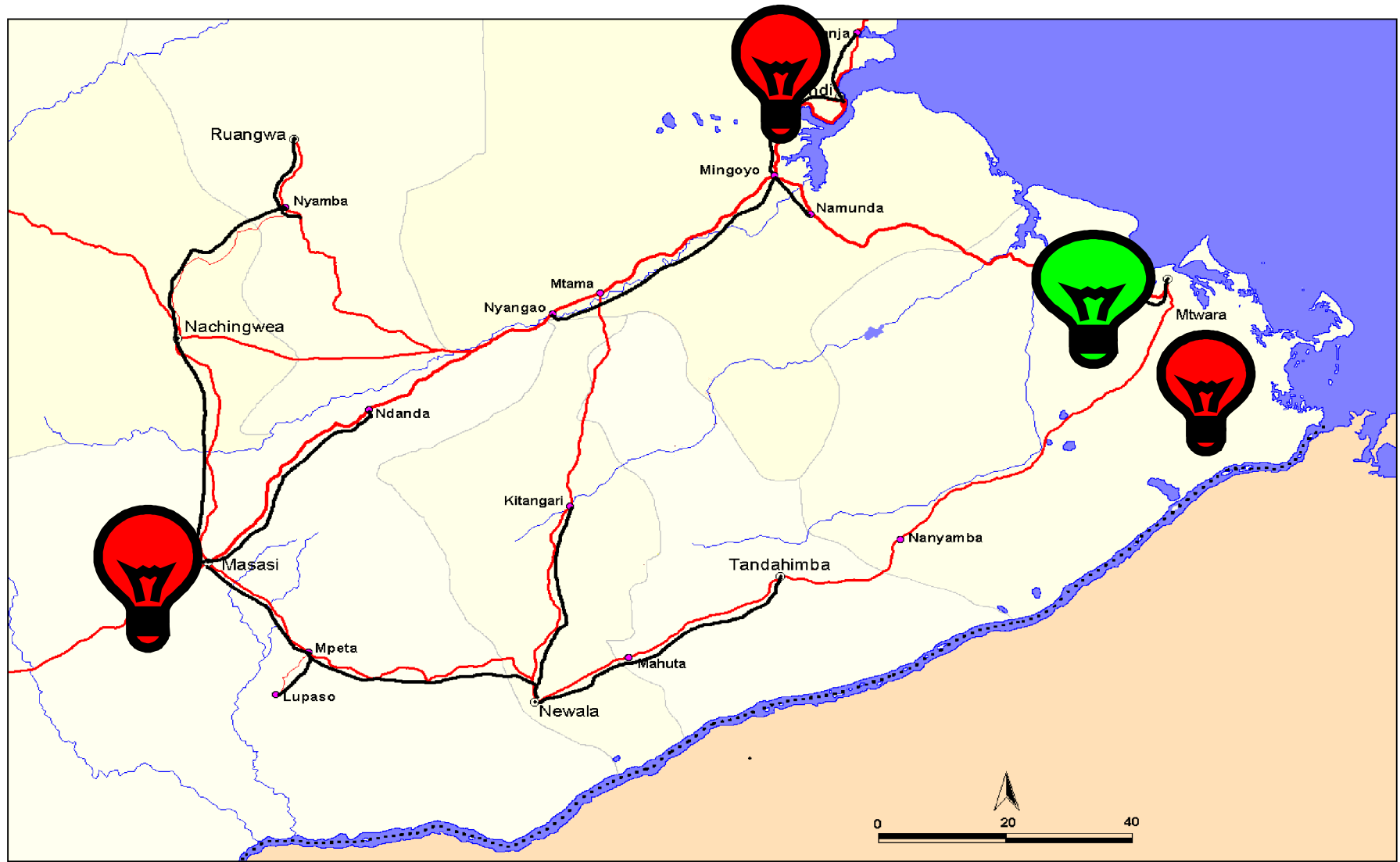
**Natural Gas (bulk Fraction)**

- 98.4% Methane
- 1% Ethane
- 0.25% Carbon Dioxide
- 0.23% Propane
- 0.12% Nitrogen

**Exhaust Gas, NO<sub>x</sub> = 650mg/Nm<sup>3</sup>**  
**CO = 600 to 2000mg/Nm<sup>3</sup>**  
**CO<sub>2</sub>, SO<sub>2</sub>**

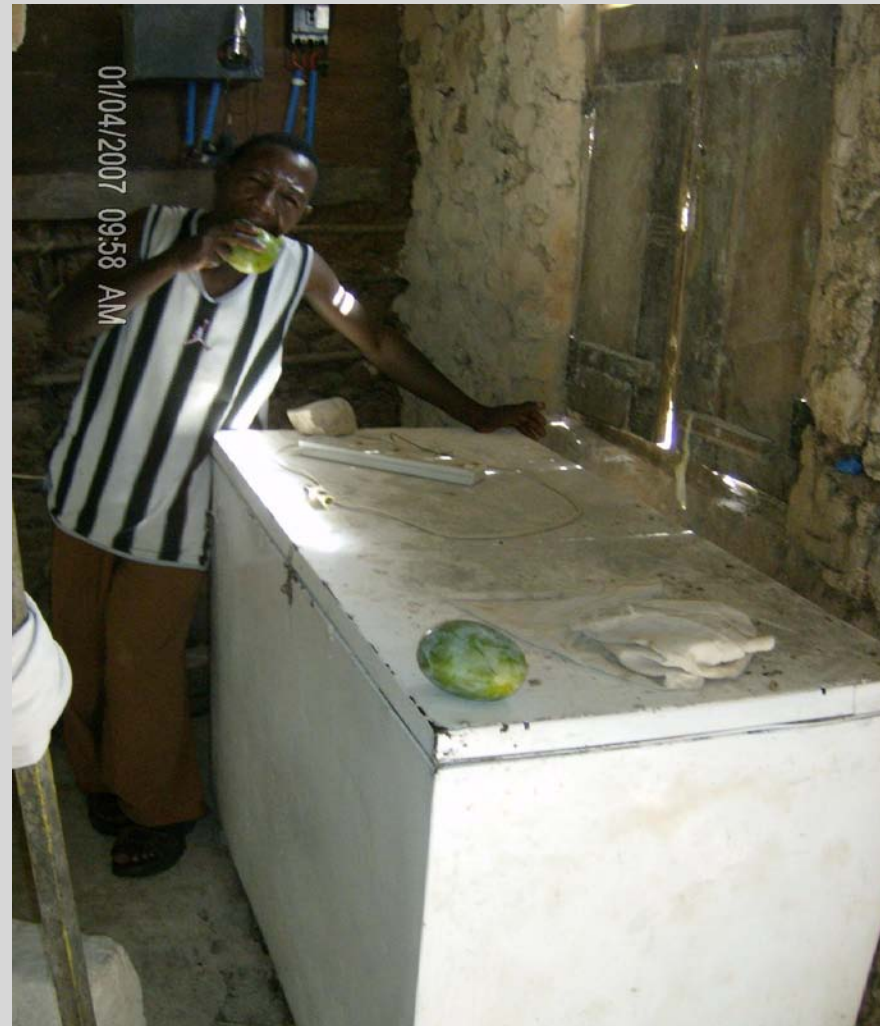


# TRANSMISSION AND DISTRIBUTION NETWORK



Existing 33 kV System

# Empowerment through Rural Electrification

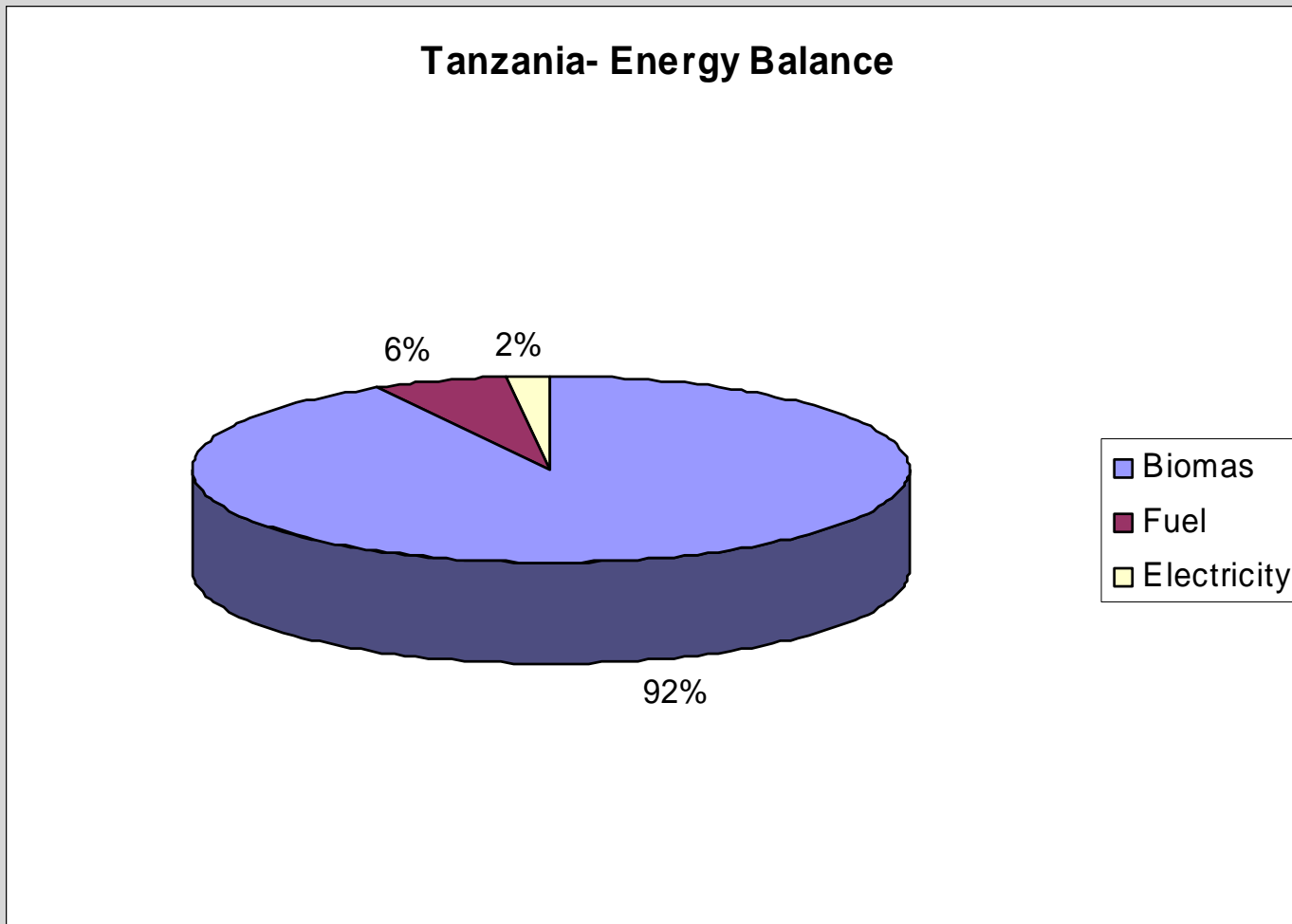


**Changing Peoples Lives**

# SDI Program –Community Development Centers



# Tanzania – Energy Balance



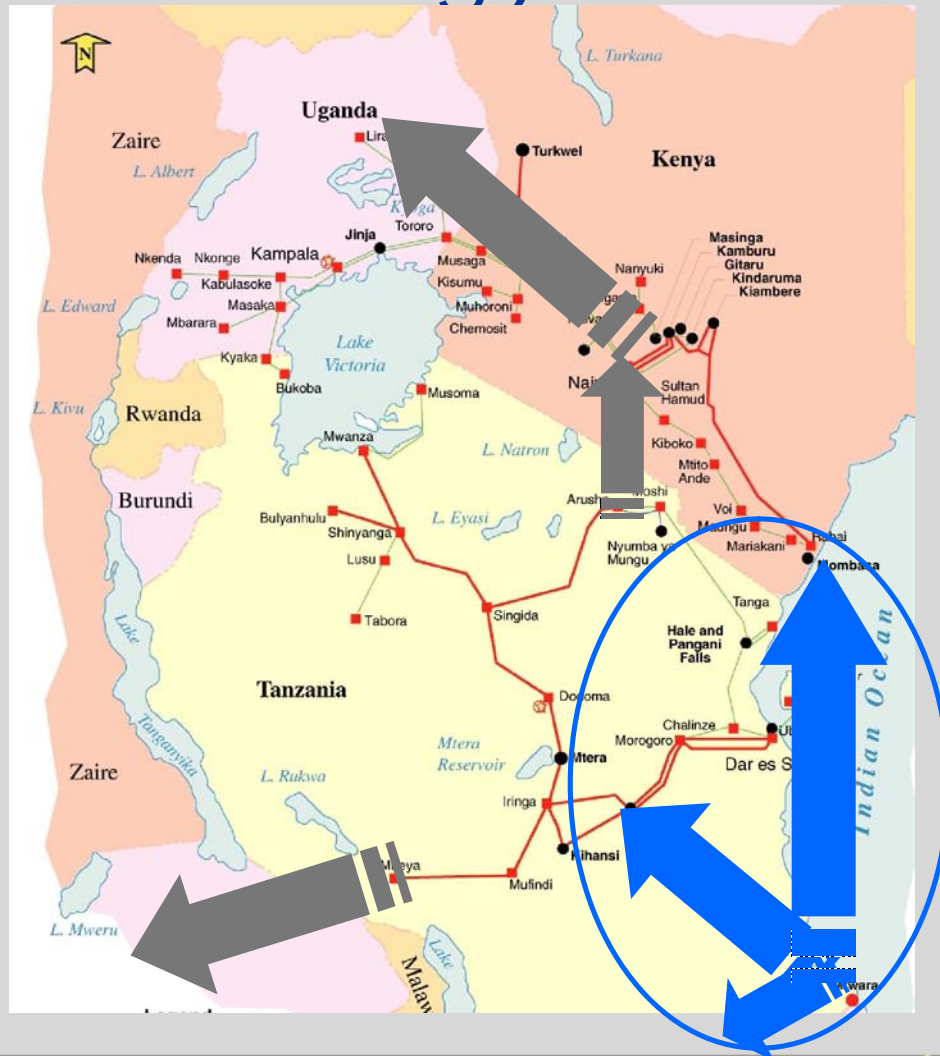
# African power market 2002-2030: A huge market for new power requiring significant investment



Ø New connections	500mn
Ø New generation	250GW
Ø Sector investment	\$560bn
to 2030	
- 2002-2010	~\$4bn pa
- 2010-2020	~\$5bn pa
- 2020-2030	~\$8bn pa
in generation alone.	

Data sources: WB, IEA, WTO, IMF, BP, UNCTAD, UNDP, EIA, AfDB

# A Shared Vision for Tanzania: Energy Hub for East Africa

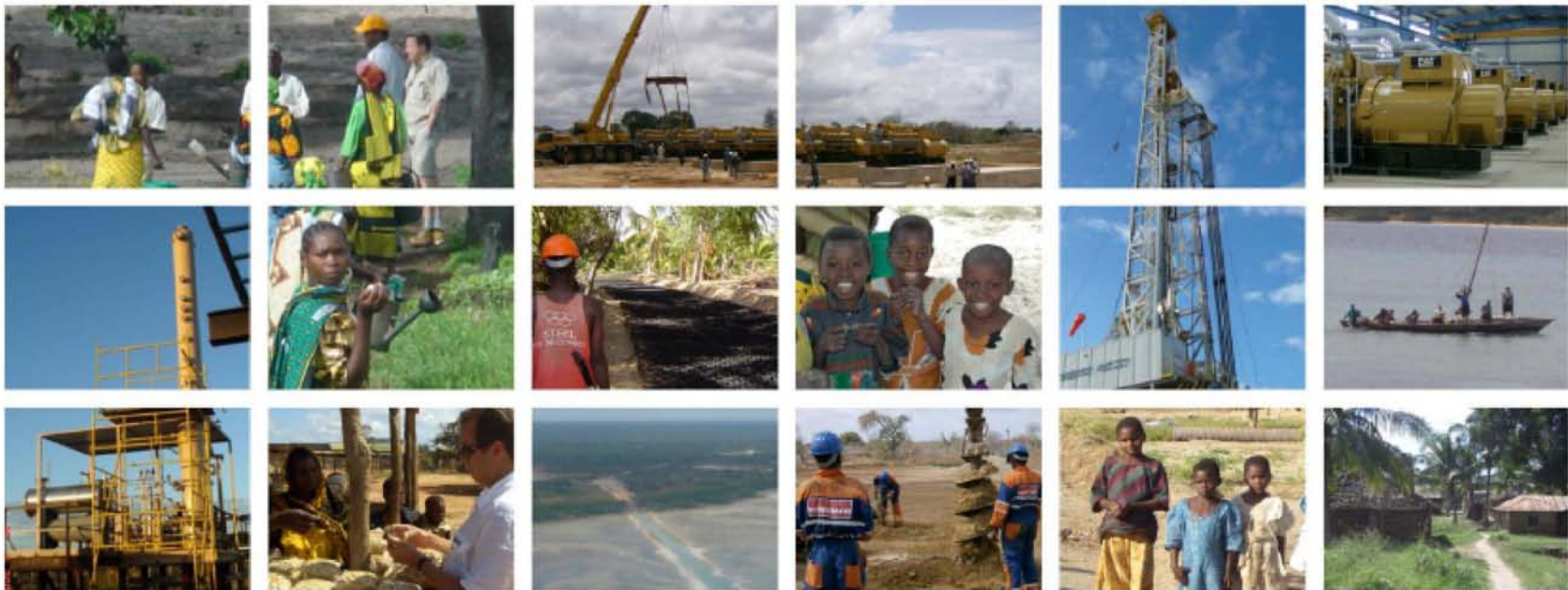


- Ø High voltage interconnect from Mtwara to the Tanzania integrated grid
- Ø Close interconnection Arusha-Nairobi
- Ø Electricity exports into Uganda via interconnected grid
- Ø Extend high voltage transmission grid into Zambia, south into Mozambique
- Ø CNG and Potential LNG exports to displace diesel/HFO in power generation





**ARTUMAS**GROUP



*Artumas Group Inc. is listed on  
the Oslo Stock Exchange  
Trading symbol: AGI*

