

Advisory Service



Presentation

Advisory Service as part of the business case PRIME-Argi / SPE





PRIME GROUP **Business Areas and Main BU's**

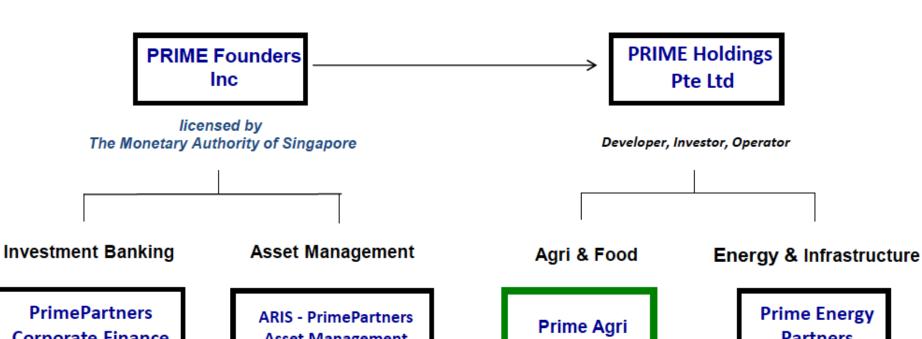






FINANCIAL SERVICES

INDUSTRIAL OPERATIONS



Corporate Finance Pte Ltd

Asset Management Pte Ltd

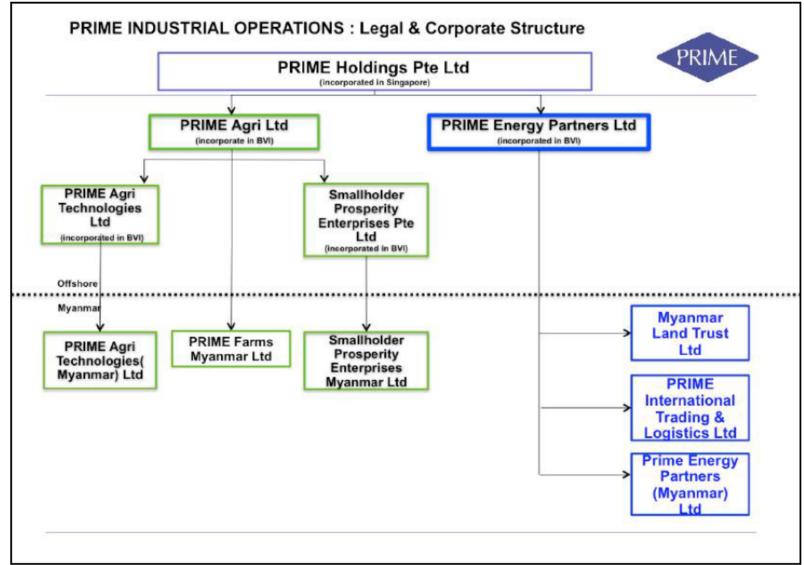
Ltd

Partners Ltd



PRIME GROUP Business Areas and Main BU's







Integrated System



CROPS & VALUE CHAINS Potatoes VERTICAL INTEGRATION PRIME Farms Direct - open field PRIME Farms Direct - open field PRIME Farms Direct - open field	PRIME Agri							
Potatoes VERTICAL INTEGRATION Primary Production PRIME Farms Direct - open field	SFDS Integrated Safe Foo	d Delivery System						
Potatoes VERTICAL INTEGRATION Primary Production PRIME Farms Direct - open field								
Potatoes VERTICAL INTEGRATION Primary Production PRIME Farms Direct - open field								
VERTICAL INTEGRATION Primary Production PRIME Farms Direct - open field PRIME Farms Direct - open field PRIME Farms Direct - open field		CROPS & VALUE CHAINS						
INTEGRATION Primary Production PRIME Farms Direct - open field PRIME Farms Direct - open field PRIME Farms Direct - open field		<u>Potatoes</u>	<u>Horticulture</u>	Feed, Fodder & Grains				
Primary Production PRIME Farms Direct - open field PRIME Farms Direct - open field PRIME Farms Direct - open field	VERTICAL							
	INTEGRATION							
	rimary Production	•	·					
		SPE Outgrower Program - open field	PRIME Farms Direct - greenhouses	SPE Outgrower Program - open field				
SPE Outgrower Program - open field			SPE Outgrower Program - open field					
- corn seed multiplication								
- seed multiplication - vegetables - feed corn		•		1222 2211				
- chipstock - field fruits (melons, strawberries) - alfalfa								
Post-Harvest PRIME Farms PRIME Farms PRIME Farms	ost-Harvest		7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	PRIME Farms				
Packing House Packing House								
Climate & Controlled Atmosphere Climate & Controlled Atmosphere			The state of the s					
Infrastructure Infrastructure Feed Corn Drying				Feed Corn Drying				
Grading & Sorting Grading & Sorting		Grading & Sorting	Grading & Sorting					
Silo Silo				Silo				
Downstream Value Adding PRIME Farms PRIME Farms PRIME Farms	Townstream Value Adding	DDIME Forms	DDINAE Forms	DDIME Sarms				
- Intermediates - potato flakes - potato flake								
- Intermediates - potato flakes Air Drying Animal Nutrition - starch IQF/BQF Mixing	intermediates							
Canning		- Starcii		MINING				
Bottling/Glass Jars								
- Finished Foods - potato chips/crisps Pickling/Brining	Finished Foods	- notate chins/crisps						
- french fries Fresh (bulk & packaged)	rillisileu roous							
- snackfoods			Tresii (buik & packageu)					
- Silderious		- Shackioods						



Overview Standards and Programs



Pre-Farm Gate (Primary Production)	Post-Farm Gate (Food Manufacturer)	Distribution / Consumer
Global Food Safety Initiative	(FSSC22000, BRC, IFS)	
GlobalG.A.P.		
Social Con		
	Environment	
Organic / Fair	Trade Standards - Programs	



Food Safety: A Key factor



Safe food is THE key for market access

 Producers / suppliers must provide evidence to their costumers of applying good practices in their supply chain

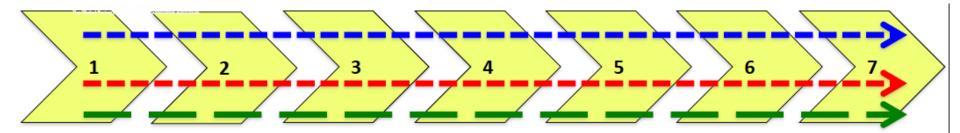
 Safe food is directly related to policy, education, good practice, trust and transparency within the supply chain



Spectrum of Primary Production



process & training modules



- Water Resource Management & Irrigation
- Soil Management & Land Preparation
- Planting material and sowing
- Crop Nutrition
- Crop Protection
- Harvesting
- 7. Post-harvest management



GAP – Sustainability & Social Compliance

SRP – Sustainable Rice Protocol



GLOBALG.A.P.

The Worlds Most Accepted
Farm Assurance Program
for
Safe and Sustainable Agriculture





Department of Agriculture (DOA) Collaboration

Demonstration, Training & Research Farms (DTRF)

DOA Shan State (temperate)





Ayetharyar Netafim Drip Irrigation Good Agricultural Practices





PRIMA Agri system approach



A holistic approach to farmers and farmer communities

- Crop mix
- Crop rotation, not single crop approach
- Soil management
- Water management (regional and on-farm)
- Certification at farm level
- Market access for the different crops
- Access to financial resources
- Mutual commitments farmers PRIME Agri
- Cost efficiency for training auditing and certification

The Information and Training System



Staff:

- PRIME Agri staff (including admin) has a basic knowledge about good practices
- The Agri staff has a advanced knowledge about GAP
- Part of the staff are recognized GAP trainers

Farmers:

- All farmers have a basic knowledg about GAP
- Farmers are able to comply with the GlobalGAP standard



The GlobalGAP Academy



Project aim

The Global GAP Academy for Market Access, Food Safety & Sustainable Primary Production focuses on solving the basic problem of increasing rural household incomes and sustainable agriculture through a 'system approach' that addresses upskilling, productivity, and standards certification in pre-farm gate primary production.



The GlobalGAP Academy



GAP (GlobalGAP, MyanmarGAP, others)

Establishment of a GlobalGAP pilot program for

- Government staff
- Project and company staff
- Farmers and Farmer groups

The project is based on farm certification and not on single crops





Future Policy Direction for Rice in Myanmar

A System Approach

Rice-Centric	Rice-Inclusive
Food Security & Tradition	Commercially Driven market forces
Low Profit, High Volume	Economically Sound comparative advantages
National Resource Burden	Socially & Fiscally Responsible subsidy independent
Socio-Politically Unsustainable	Politically Balanced equitable development



The GlobalGAP Academy



After the pilot phase, the Academy will be available for other projects and regions

The academy will be able to provide training for different other standards and programs

- SRP (Sustainable Rice Platform)
- Fair Trade, probably FT USA
- Different commodity standards
- Others



The PRIME / SRP project



Farmers will be specifically trained on the SRP standard, as add on to the GlobalGAP standard

Farmers will be certified GlobalGAP / SRP

This project will start with the GlobalGAP Academy and be extended to other areas through a large bilateral program and probably the LDCF / UNEP

The GlobalGAP / SRP approach is approved by the relevant ministries and will influence national policies



Data management



Mapping of the region, villages, farms and plots Land ownership Water resources Socio economic data

Farming information
Crop / product related information
Traceability system
Program management
Reporting





Data management

Demographics	Than Te (11 Villages)		Kyauk Ni (6 Villages)	Tota	ıls		
Households	1,240		1,436	2,67	76		
Population	5,973		6,350	12,3	23		
Male	2,821		3.108	5.92		stad Asuasas	Cultivated Assessed
Female	2,9	Townsh	ip Village Tract	# of Villages		ated Acreage et Season)	Cultivated Acreage (Dry Season)
		Taungg	gyi Than Te	11		8,653	580
		Taungg	gyi Kyauk Ni	6		8,595	790

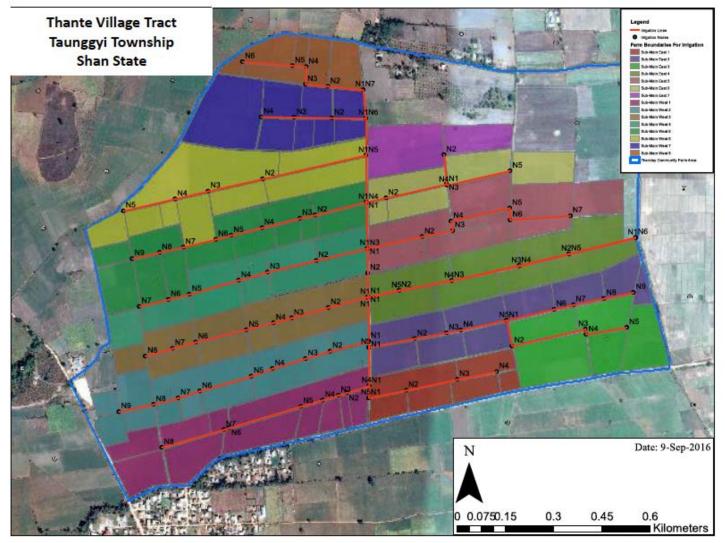
Key Points:

- Cultivated acreage drops to 9% during dry season due to lack of irrigation
- Unable to capitalize on optimum agronomic dry season
- Optimal dry season in S. Shan ideal for high value temperate crops
- Year round irrigation unlocks key to better crop mix and increased income
- Traditional monsoon crop marginalized due to increasingly unpredictable weather patterns





Community Irrigation Infrastructure Design



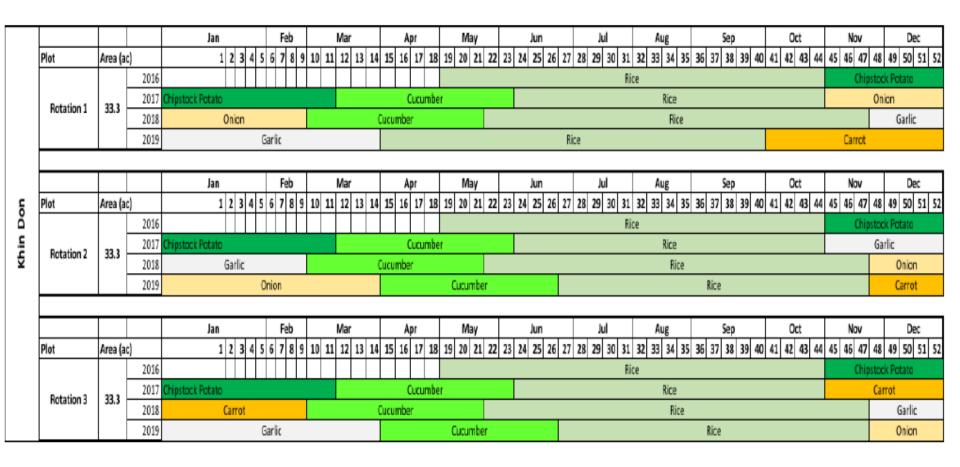
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Shan State: Paddy Soils

Sustainable High-Value Crop Rotation 1





Recap



- Holistic approach
- Market access
- System approach for farmers, not anymore single crop programs
- Training and education
- Crop mix
- Crop rotation
- Soil and water management (on and off-farm)
- Community development through common interests such as water supply
- Data / Supply chain management





Community Integration





PRIME Heho DTRF Global G.A.P. Training for Group Certification











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Drip-Irrigated Rice in Myanmar

Tillering Stage



PI Stage



Flowering Stage



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