



ASJeba FOUNDATION

PLANTING YOUR FUTURE

INVESTOR DECK

APRIL 2024

Ghana project - Techiman

RESTORATION OF DEGRADED SOILS WITH PRODUCTIVE FOOD FORESTS



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ASJEBA Group – ASJEBA Planting Your Future



Baas, Hisko Hindrik

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Dutch national, in Udligenswil (CH)



Joachim Ganse

MEMBER

German national, in Rommerskirchen (DE)

Hisko Baas, Founder, Chairman
hisko.baas@asjeba.com

Joachim Ganse, Vice Chairman
joachim.ganse@asjeba.com

HISKO H. BAAS, lic.oec. HSG, Switzerland, is an entrepreneur with over 40 years of experience in banking, investment banking, merger & acquisition transactions, project planning and execution.

Joachim Ganse has over 30 years of expertise as Managing Director in the Chemical-, construction-financial/ insurance sector, and audit companies (big four). The main projects were to analyze/design risk-/compliance- management -systems based on sustainability aspects for leading companies.



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Planting Your Future

RESTORATION OF DEGRADED SOILS WITH PRODUCTIVE FOOD FORESTS

Where we stand

In Africa, almost half of the agricultural land is degraded. Asjeba has been exploring where to start setting up agroforestry projects, considering the following criteria: A) Soil and climate conditions acceptable, B) Local people accepting the Asjeba concept, C) Security for our people, D) Government and authorities willing to support, E) Land titles to be controlled and approved

Various meetings have been held between interested Investors and the Asjeba Group. The following is a synopsis of the discussions:

ASJEBA

- ❑ have created an agroforestry concept based on UN SDG and Global Compact rules, various oil producing trees are planted on degraded soil: the soil becomes fertile again.
- ❑ the 75'000 hectare per project will be leased for minimum 20 years. At the end of the lease the land will belong to a foundation owned by the communities
- ❑ a team of experts and plantation management teams with proven track record will start the programme once funding is in place.
- ❑ Generating carbon credits. South Pole estimate was minimum 9.4 million carbon credits over the 30-year lifetime of the trees, for 40% of the project

INVESTORS

- ❑ Consider replacing fossil oil with Asjeba project vegetable oil.
- ❑ Are interested to invest in projects should carbon credits be generated in such a way that "greenwashing" is excluded.
- ❑ Aim to use fossil fuel free raw materials (Moringa, Ricinus oil, vegetable oils, Proteins) which are certified organic and contribute to Climate change adaptation



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Project scope



The scope of ASJEBA is to engage in the sustainable restoration and cultivation of degraded soils in the Global South by providing hands-on skills, support services, as well as the promotion and development of a sustainably improved standard of living for the local communities.



ASJEBA provides services of any kind that are suitable to promote this purpose and that are directly related to it. We pursue any project that promotes the achievement of the Sustainable Development Goals



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Location

Degraded soils in the area of the Municipality of Techiman. Techiman is a city and the capital of Techiman Municipal and Bono East Region of Ghana. Techiman is a leading market town in South Ghana.

LAND:

75,000 ha (Permaculture Ghana)

300,000 ha (Ghana Government)

LAND USAGE RIGHTS:

Emphyteutic lease – 20 years – extendable to 50 years



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Use of Funds

Startup budget

	Monthly Cost \$ <i>(estimated)</i>	Total cost \$
Management total fees	110,000	660,000
Flights Europe, Ghana, South Africa	40,000	240,000
Visa expenses	20,000	120,000
Accommodation	30,000	180,000
Local travel	15,000	90,000
Main Feasibility Studies & Market Appraisal		600,000
Environmental, Social & Health Impact Assessment	80,000	480,000
Land survey (terrain & soil sampling analysis)	25,000	150,000
Covercrop planting phase	30,000	180,000
Water catchment construction	50,000	300,000
Awareness raising & Training of local communities	15,000	90,000
Safety and Security Audit	10,000	60,000
Security services	25,000	150,000
Obtaining approvals / licenses through local experts	20,000	120,000
Mediation with local entities	20,000	120,000
Legal Compliance	25,000	150,000
Tax & Auditing	15,000	90,000
Industrial zone negotiations	15,000	90,000
Outline Design of plantations, infrastructure & facilities/settlements	25,000	150,000
Business plan Revision	50,000	300,000
		4,320,000
Incidental Costs	5%	216,000
		4,536,000
Contingency	10%	453,600
	total	US\$ 4,989,600



Production and Carbon credits

Financial projections:

- Cost of Land: 10 Euro per ha per annum (assumed)
- Cost of Infrastructure: 384 Mio Euro distributed over 20 years
- Bio-Oil and Moringa revenues:
 - A) Castor oil starting with 3,5 Mio Eur in year 2 increasing to 14.2 Mio per annum from year 3.
 - B) Moringa approx 73 Mio per annum as of year 3
 - C) Jatropha oil starting with 1.2 Mio in year 5 and 23 mio. averaging after year 12 per annum.
 - D) Intercropping between the trees will start after year 7 when the soil is fertile again.

CO₂ saved/avoided:

- Sequestration of CO₂ by Jathropha alone = 12 Mio tCO₂ / 30 years (according to Southpole forecasts for Jathropha for 50,000 ha)
- Usage of our Bio-oils as drop-in replacement will generate another = 200,000 tons per annum CO₂ savings resulting in another 6 Mio tCO₂/30 years
- We estimate that we will exceed in total **“20 Mio tons”** per project over 30 years



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Asjeba Development Ghana			Start-Up Schedule																											Ongoing activities		
Year			1															2							Ongoing activities							
Months			4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27						
Activities																																
1	1	Funding budget for startup activities - € 5 million	[Green bar]																													
2	2	Meeting partners in Switzerland fixing tasks and budgets	[Green bar]																													
3	3	Delegation visit to Ghana inspecting offered land and select 1	[Green bar]																													
4	4	Negotiating terms of emphyteutic land lease with families/owners	[Green bar]																													
5	5	Signing emphyteutic land lease agreement with families	[Green bar]																													
5	6	Establishing Asjeba Management (Ghana) Ltd. (AMG) in Accra	[Green bar]																													
6	7	Installing executive management team AMG	[Green bar]																													
7	8	Management team startup activities	[Green bar]																													
8	9	Start of Environmental, Social & Health Impact Assessment	[Green bar]																													
9	10	Main Feasibility Studies & Market Appraisal	[Green bar]																													
10	11	Land survey (terrain & soil sampling analysis)	[Green bar]																													
12	12	Visit of 3 plantations and management team and select 1 as model	[Green bar]																													
11	13	Infrastructure and development masterplan	[Green bar]																													
13	14	Obtain all necessary approvals for the project plus industrial zone	[Green bar]																													
14	15	Covercrop planting concept developed	[Green bar]																													
15	16	Water catchment masterplan	[Green bar]																													
16	17	Outline Design of the project and infrastructure	[Yellow bar]																													
17	18	Awareness raising & Training of local communities	[Yellow bar]																													
18	19	Finance plan adopted to local circumstances.	[Purple bar]																													
19	20	Start of seed purchase	[Purple bar]																													
20	21	Infrastructure and settlement -Phase 1	[Purple bar]																													
21	22	Start clearing land	[Purple bar]																													
22	23	Start planting Ricinus	[Purple bar]																													
23	24	Start construction of nursery	[Purple bar]																													
24	25	Start growing plants in nursery	[Purple bar]																													
25	26	Start of planting Moringa	[Purple bar]																													
26	27	Build Refinery Ricinus oil / Moringa processing facilities	[Purple bar]																													
27	28	Build Composting Plant	[Purple bar]																													
28	29	Harvesting Ricinus	[Purple arrow]																													
29	30	Harvesting Moringa	[Purple arrow]																													
30	31	Start processing Moringa leaves to powder	[Purple arrow]																													
31	32	Exporting Castor oil	[Purple arrow]																													
32	33	Exporting Moringa powder	[Purple arrow]																													
Associated Funding Summary																																
		Start up Budget	5'000'000																													
		Finance - Subordinated debt	10'000'000																													
		Finance - Tranch Mortgage 1	15'000'000																													
		Finance - Tranch Mortgage 2	40'000'000																													
		Finance - Tranch Mortgage 3	35'000'000																													



Expected mutual commitments by Investor and ASJEBA

€ 5 million donation for start-up budget;

€25 million down payment for the delivery of vegetable oil. This down payment can be adapted within 10 years;

Long term Raw material purchase agreement to be negotiated;

Assignment and/or partial takeover of future carbon credits at a preferential rate;

Support by Investor to ASJEBA to obtain the needed mortgage.



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Questions & Answers

Next steps

CONTACT:

ASJEBA MANAGEMENT AG
Georgios Radoglou, CEO
georgios.radoglou@asjeba.com
CUG:(+234) 0809 040 5980

ASJEBA FOUNDATION
Hisko Baas, Founder, Chairman
hisko.baas@asjeba.com

Joachim Ganse, Vice Chairman
joachim.ganse@asjeba.com



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