FEASIBILITY STUDY On the expansion of a Startup Rice Company in Togo



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CLIENT'S WISHES

- -Increase the quality of processing
- -Business capital of USD 25,000
- -Increase her annual production by 10
- -Hire more employees for expansion
- -Acquire processing equipment
- -Expand market size
- -Have a climate risk strategy

Asian rice



VS.

Prince des Champs rice



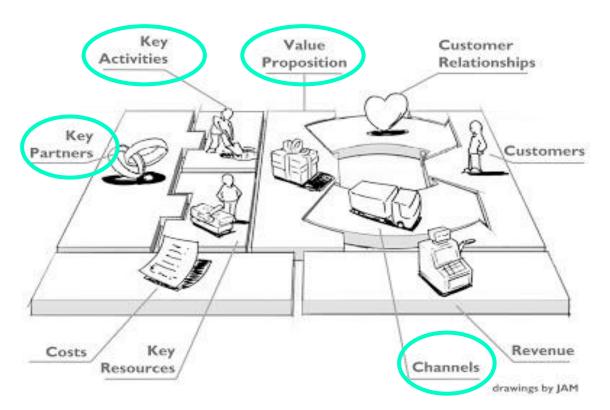


"How do we make the startup more competitive and therefore more profitable? "

METHODOLOGY

- Canvas Business Model
- Business Plan with Economic Sensitivity Analysis
- Recommendations

CANVAS BUSINESS MODEL



4 major sectors

Source: https://sites.google.com/site/moocmodulesnils/ /rsrc/1472851821761/marketing/the-business-model-canvas/BMC1.jpg

Key Partners

BUSINESS MODEL



Channels

Value Proposition

ECONOMIC SENSITIVITY ANALYSIS

CLIENT'S INFORMATION

- 250,000 kg rice/year
- \$25,000 capital
- Loan interest rate 9%, 3 years
- 5 employees
- Selling price: 1.20 \$/kg
- Some of the production costs



- All the rice produced is selled
- Discount rate of 5%
- All the investment is used in machines and equipment
- Production rate evenly distributed
- No economic growth
- Inflation will have the same effect on revenues and expenses
- Project's life: 5 years

ECONOMIC SENSITIVITY ANALYSIS

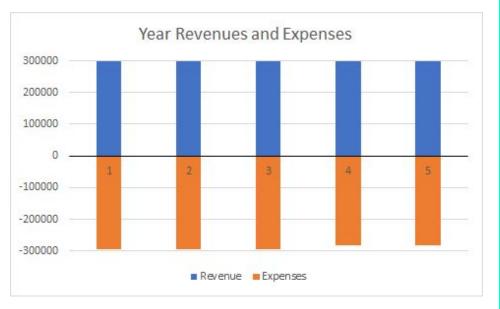
CLIENT'S IDEAL STATE

Income from year 1

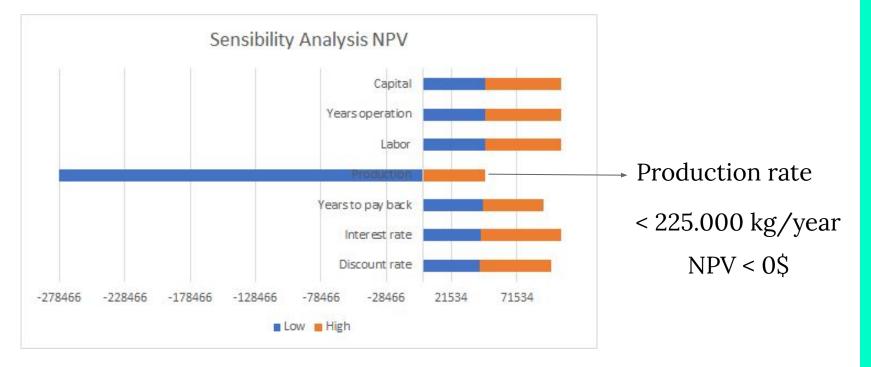
Net Present Value (NPV) = 46,858\$

Internal Rate of Return (IRR) = 27 %

Q = 1,87 \$/\$ invested



ECONOMIC SENSITIVITY ANALYSIS



ECONOMIC SENSITIVITY ANALYSIS Current State Ideal State 0,20 \$/kg 0,20 \$/kg Production Cost 0,60 \$/kg 0,40 \$/kg **Transportation Cost** Selling price 1,5 \$/kg 1,20 \$/kg Selling Price 3 employees 100,000 kg rice/year

RECOMMENDATIONS

- Apply for grants and/or loans using the Business Plan
- Conduct needs assessment in community (BLUM and PATA grants)
- Identify (and market) rice quality with IRRI Quality Assessment Kit
- Marketing recommendations: Website/Facebook/Instagram/Posters
- Economic Sensitivity Analysis
- Packaging Design (Potential D-Lab II project)
 - Make the packaging more attractive, safe for rice and cheap (< 0,3\$/bag).



THANK YOU! ANY QUESTIONS?



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