

Infinite Possibilities from unused rice husks

26th October 2018

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TROMSO Co., Ltd.



An Innovative Technology Developed in the Heartland of the Shipbuilding Industry

Company name **TROMSO Co., Ltd.**

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Main business **Production and sales of rice husk briquette machines**

Date founded **March 15,2007**

Capital **3 million yen**

CEO **Masahiro Nakasaka**

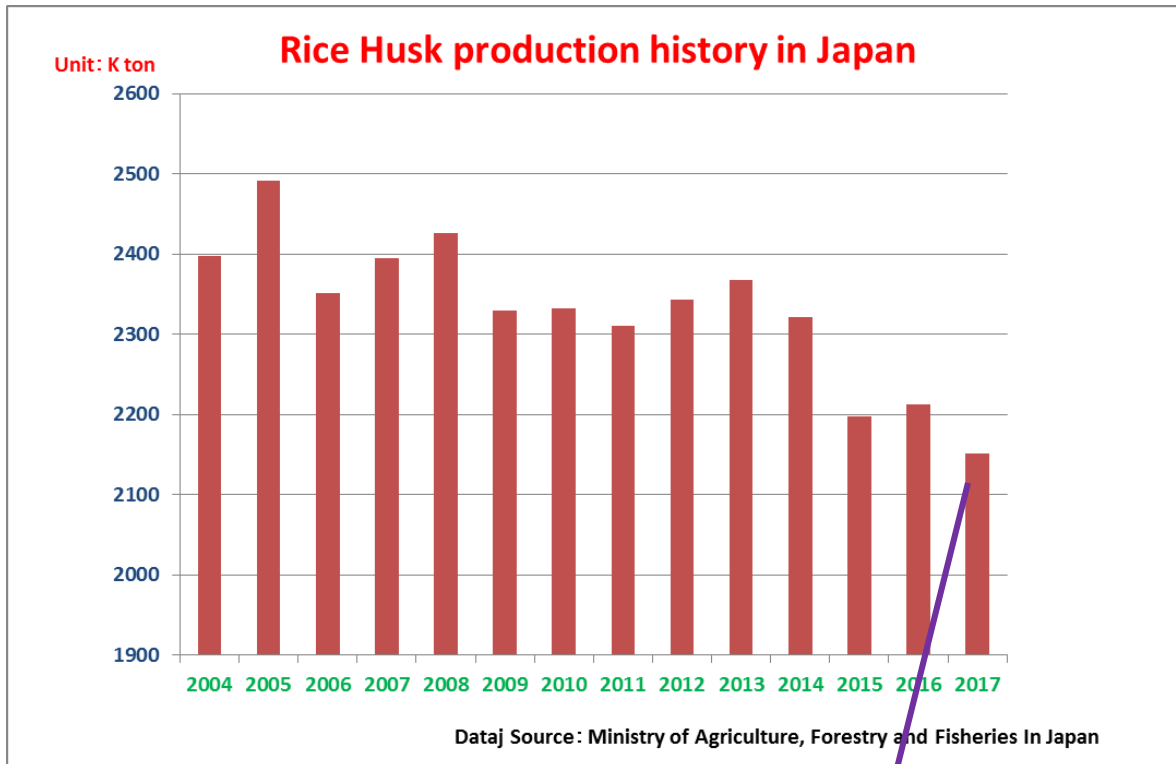
Main bank **Hiroshima Bank**



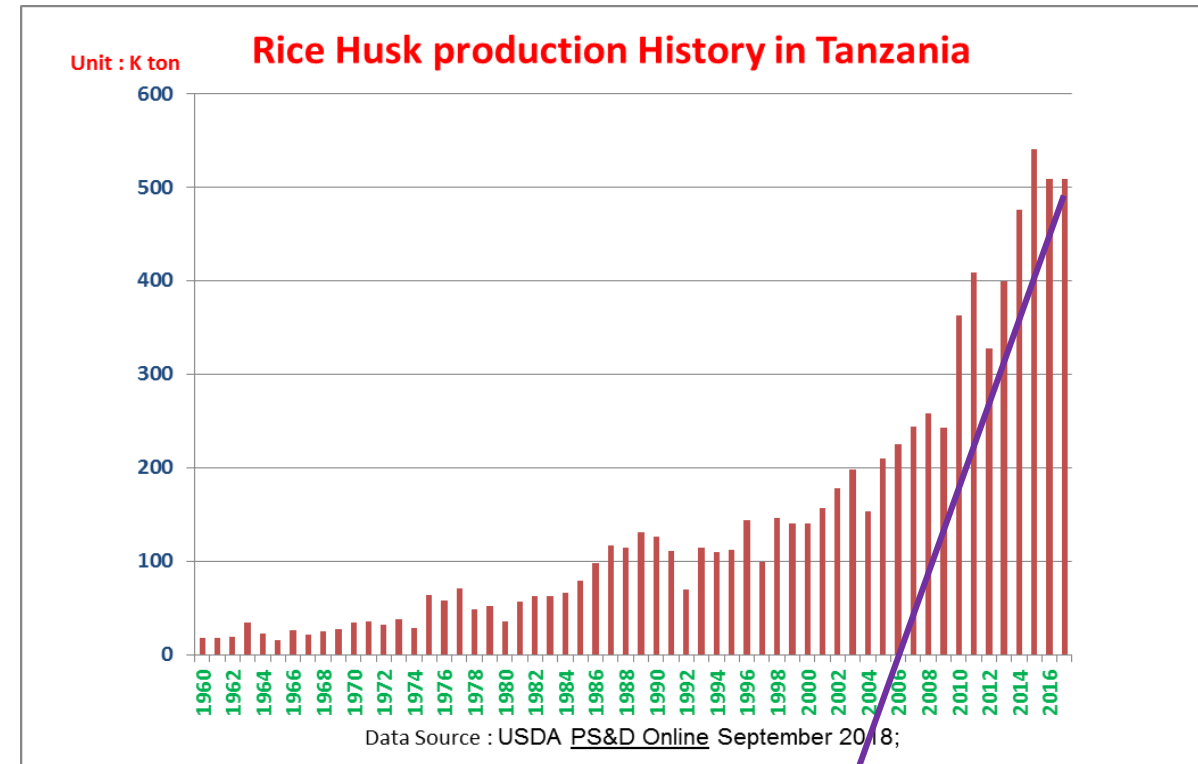
Rice Husk Situation in Tanzania



Comparison of Rice Husk Production in Japan and Tanzania



2.2 million tons in Japan



0.5 million tons in Tanzania

Various Uses of Rice Husks



Rice Husk Briquette Machine [Grind Mill]

- Simple and compact
- Grinding and forming functions in one machine
- Easy operation and no special skill needed



2 functions in 1 machine

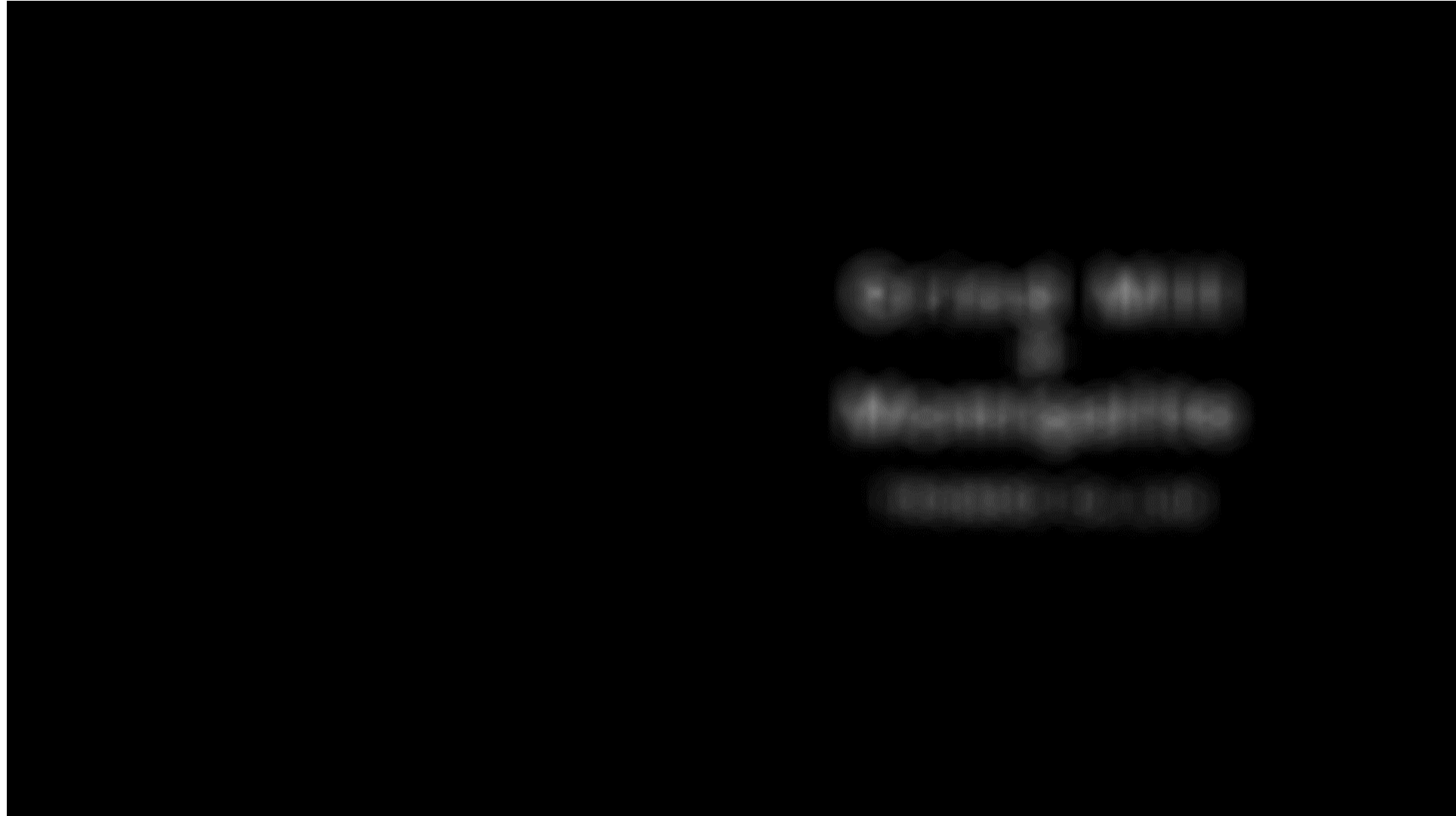


Forming



Grinding

Rice Husk Briquette Machine



What are Rice Husk Briquettes?

Calorific value
4,000kcal/kg

モミガラライト

(Rice Husk Briquette)

100% rice husks

No binder for solidification



Overseas Sales

Year	Country	unit	model	remarks
2014	China	1	TRM-120F	
2014	Tanzania	4	TRM-120F	Project with JICA
2015	Tanzania	4	TRM-120TA	Project with JICA
2015	Tanzania	1	TRM-120TA	
2015	Nigeria	1	TRM-120TA	
2015	Vietnam	1	TRM-120F	
2016	Vietnam	3	TRM-120TA	
2018	Madagascar	1	TRM-120JPF	

Total: 16 units

A Successful JICA Project in Tanzania(1/2)



At Dar es Salaam Institute of Technology
on the 6th December 2013



At Kilimanjaro Industrial Development
Trust (KIDT) in Moshi on the 10th
December 2013

A Successful JICA Project in Tanzania(2/2)



At Kilimanjaro Industrial Development Trust (KIDT) in Moshi on the 10th December 2013



At Kilimanjaro Industrial Development Trust (KIDT) in Moshi on the 10th December 2013

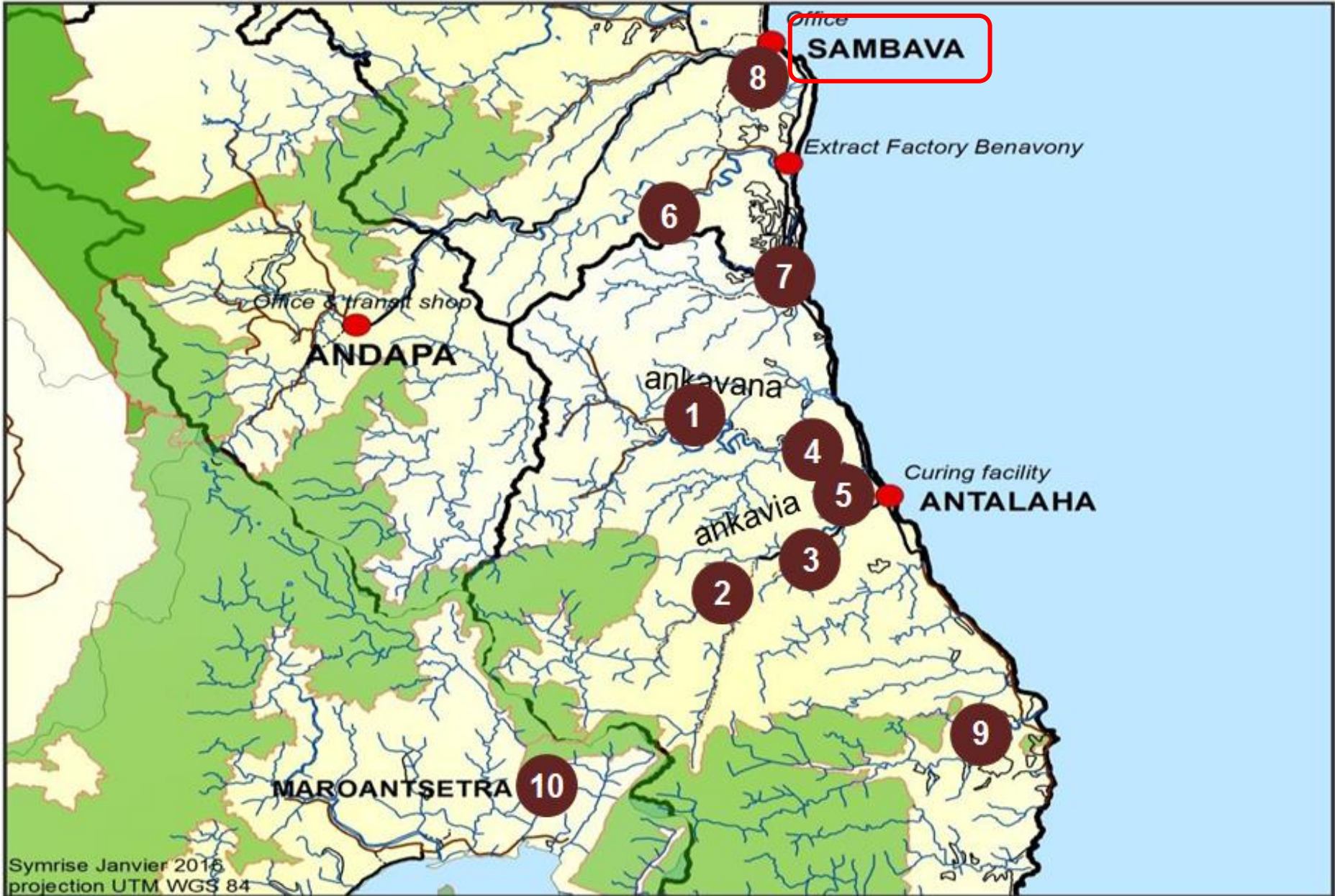
Grind Mil launched in Madagascar(1/3)



Grind Mil launched in Madagascar(2/3)

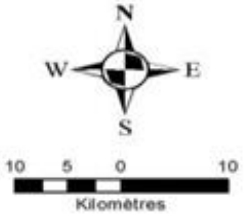


Grind Mil launched in Madagascar(3/3)



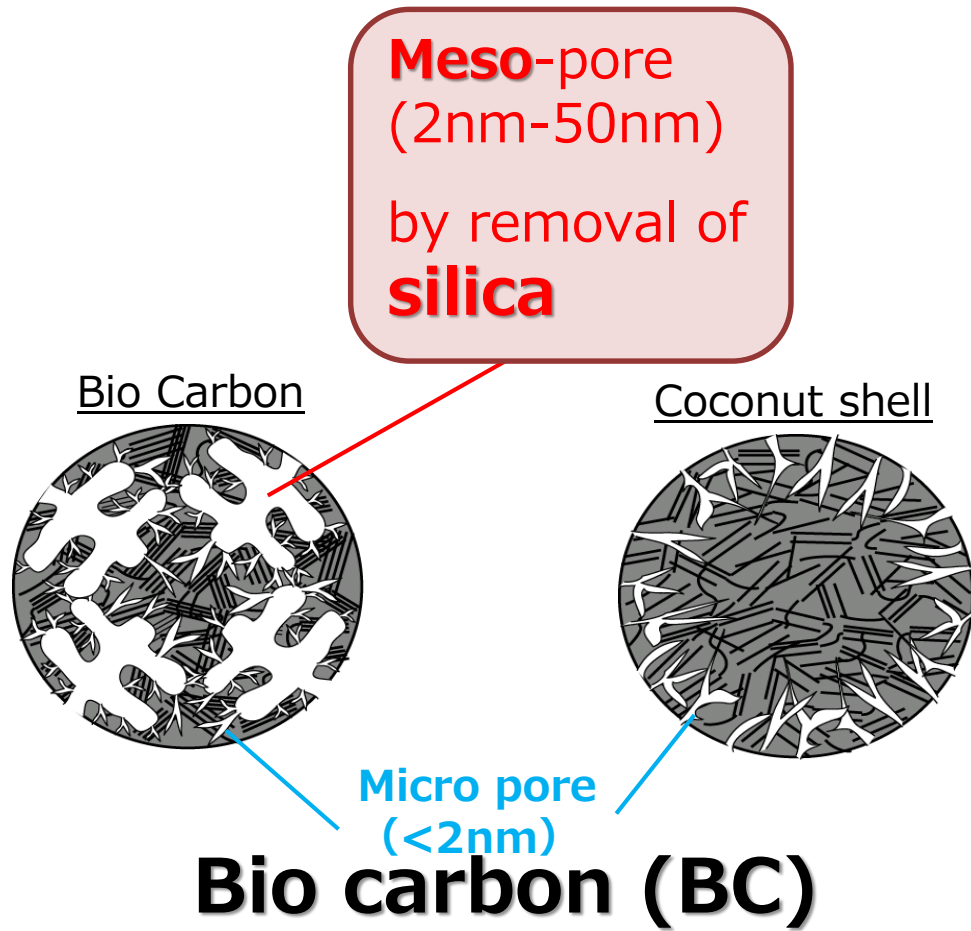
Légendes

- Protected_areas
- Limite district





Development of Water Purifier

by Using Activated Carbon from Rice Husk (1/2)



|| Meso-pore & Silica content

	 Bio carbon	 Coconut Shell
Removal target substance		
Mold odor (2-MIB)	GOOD	GOOD
Total Trihalomethanes		BETTER
Chloroform		BETTER
Free residual chlorine	GOOD	GOOD
Agricultural chemicals (CAT)	BETTER	
Anionic surfactants	BETTER	
Synthetic detergent (DBS)	BETTER	
Insecticide (MEP : Fenitrothion)	BETTER	
Fungicide (TPN : Chlorothalonil)	BETTER	
Humic substance (TOC example)	BETTER	

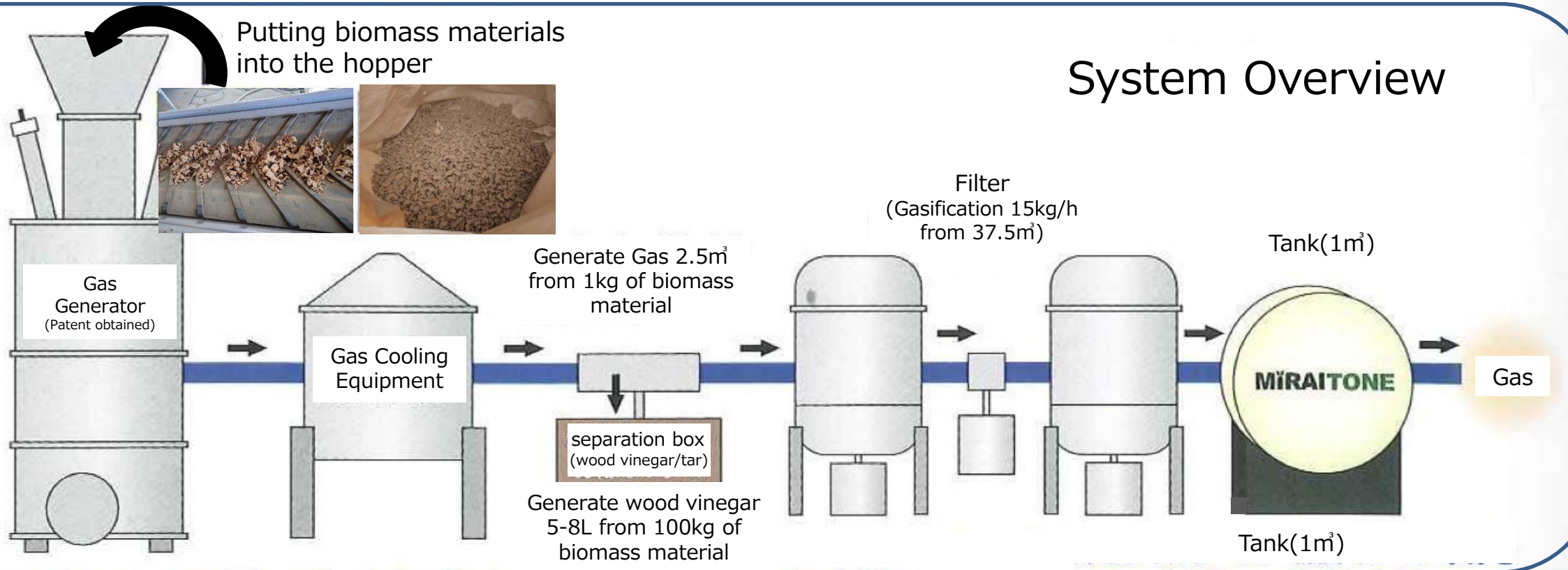
Development of Water Purifier by Using Activated Carbon from Rice Husk (2/2)



Gasification Power Generation System by Using Rice Husk Briquettes (1/2)



Gasification Power Generation System by Using Rice Husk Briquettes (2/2)



Contributions to SDGs

SUSTAINABLE DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD



For more information



Company website

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UNIDO ITPO Tokyo Environmental Technology Database

http://www.unido.or.jp/en/technology_db/2673/



Facebook

<https://www.facebook.com/tromso.japan>

Thank you very much for your attention !