

Kraft of Asia Paperboard & Packaging Co., Ltd.

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January 2024

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A. KOA's Overview



1. General information

Name	Kraft of Asia Paperboard & Packaging Co., Ltd.
Share holder	Marubeni Corporation 100%
Established	On June 22nd, 2018
Representative	Takahiro Shimada
Location	Phu My 3 Specialized Industrial Park
Products	Linerboard, Medium (90gsm-225gsm)
Production	400,000MT per year (phase 1)
Sales items	Linerboard, Medium, Paper bags, Envelopes, Carton box, Notebook









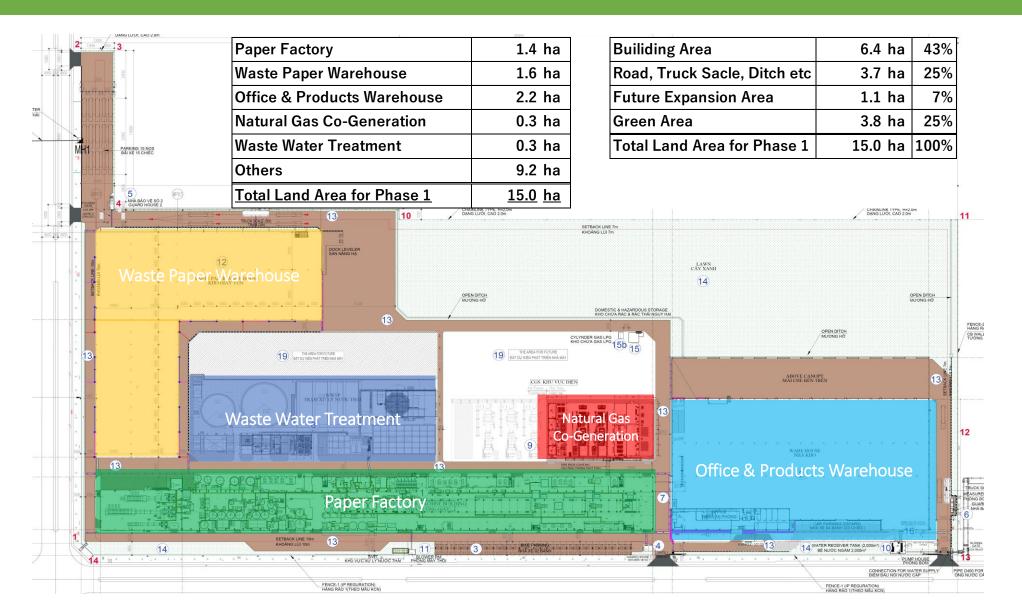




A. KOA's Overview



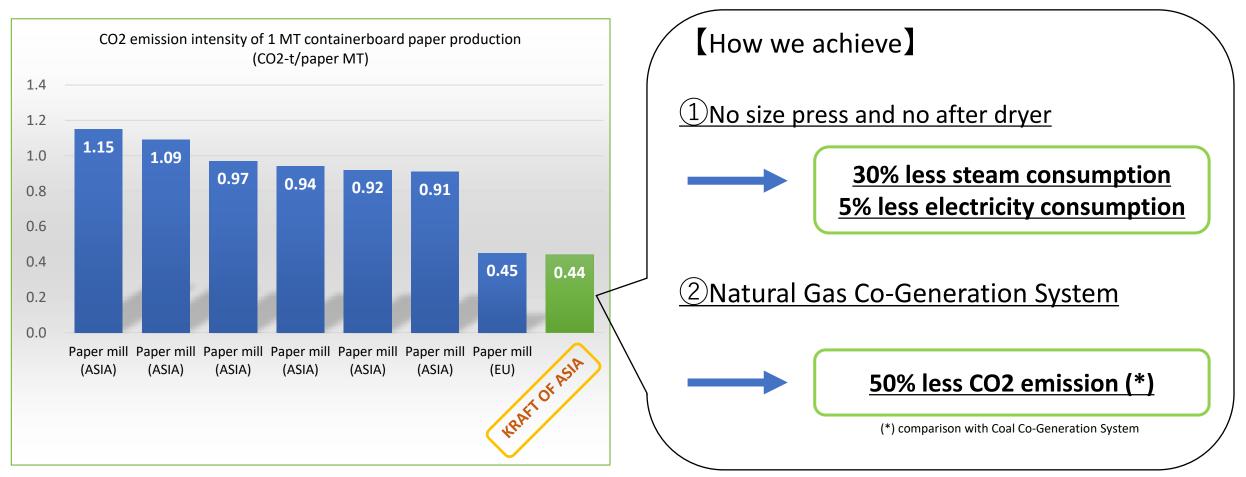
2. Layout





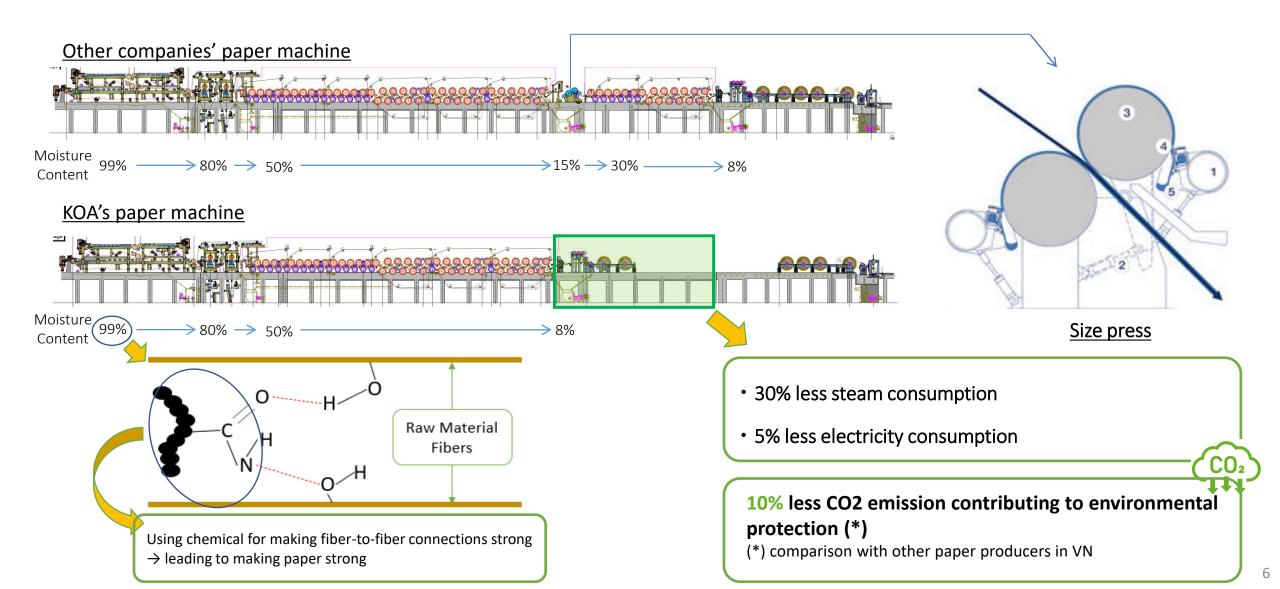
1. 60% less CO2 emissions than competitors

- We can produce containerboard paper with 60% less CO2 emissions than competitors.
 - \Rightarrow CO2 emissions equivalent to the lowest level of European paper mill.





2. No size press and no after dry





2. No size press and no after dry

COD index (PPM) 8,000 Size press paper increases 6,825 7,000 the burden on wastewater 5,930 6,000 5,315 treatment. 5,135 5,000 3,765 3,710 3,790 4,000 3,485 4,114 3,979 3,025 COD(PPM)/1 kg containerboard paper 2,797 3,497 3,000 production 2,952 2,959 2,521 2,000 9,900-2,244 2,106 Competitor Starch 29,700 1,000 J+A J+A J+A J+A L+A L+A L+A L+A Dry 30-70 66-33 33-66 85-15 50-50 63-37 85-15 90-10 100 KOA strength 315-945 -----MAX 2,797 3,025 3,485 3,765 3,710 3,790 5,135 5,315 6,825 resin -O-AVE 2,106 2,244 2,952 3.497 2.521 2,959 3,979 4.114 5,930

Ghi chú: J: OCC imported from Japan

A: OCC imported from US

L: Domestic OCC

Chart of the influence of waste paper sources on COD index in wastewater

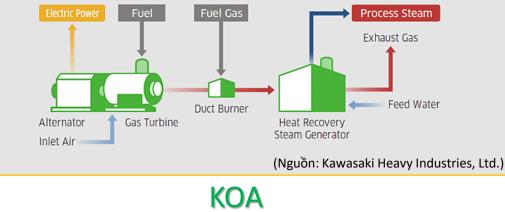
Reduces COD by 30 times in

wastewater



3. Natural Gas Co-Generation System







Coal-fired cogeneration system

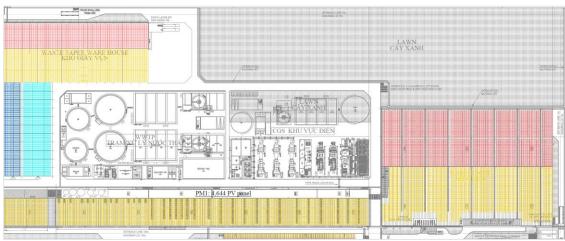
50% less CO2 emission (**)

(**) comparison with Coal Co-Generation System

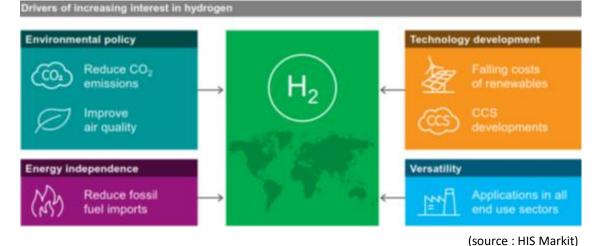


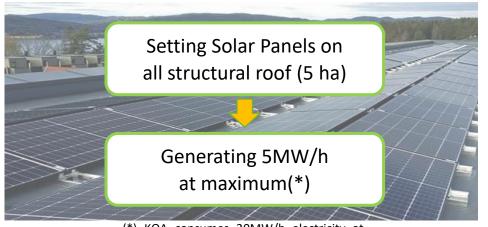
4. Earth-Friendly Plan for the Future

• Solar Power Generation (2024)

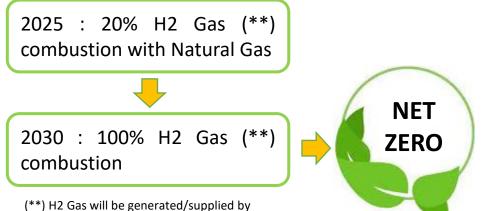


• H2 Gas Co-generation System (2025-2030)





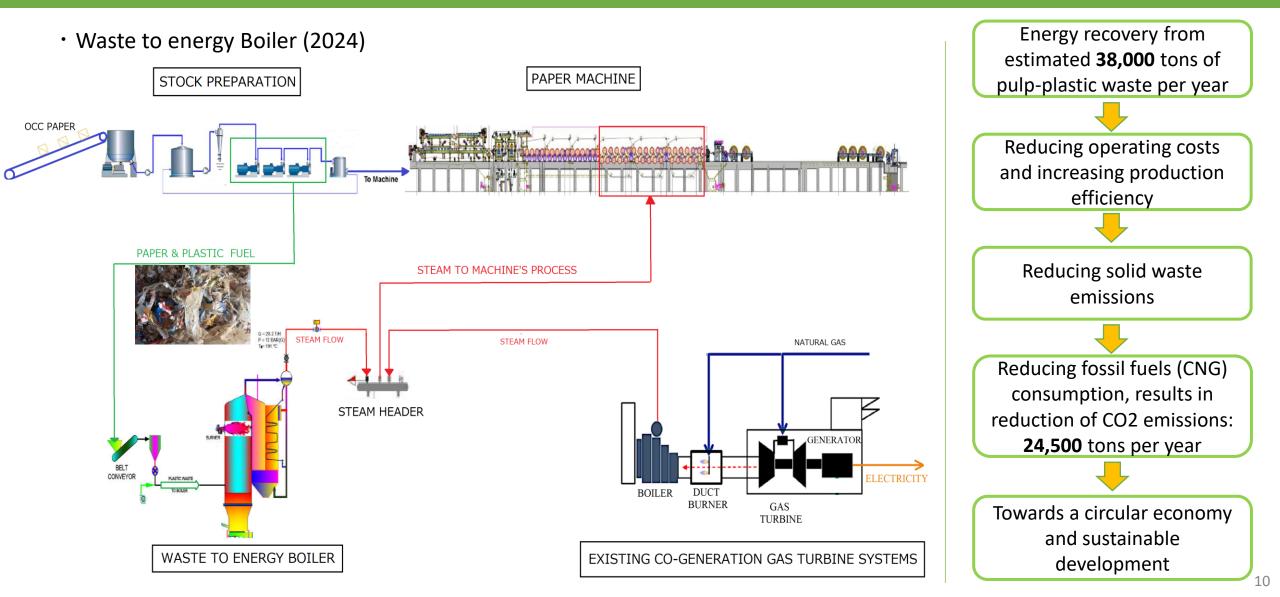
(*) KOA consumes 20MW/h electricity at normal operation.



companies in BaRia-VungTau Province



4. Earth-Friendly Plan for the Future



C. KOA's decarbonization efforts



1. Efforts to reduce CO2 emissions on each product



- Sharing CO2 emission data with customers.
- To lead the paper industry in Vietnam toward decarbonized society.

C. KOA's decarbonization efforts



1. Efforts to reduce CO2 emissions on each product



KOA's purpose is **"Try** ecological production for bright future! " Attaching the poster on paper roll to introduce our purpose.

2. Net Zero road map



KOA'S NET ZERO ROAD MAP

To open the way to a sustainable future

