

WHAT IS SUSTAINABILITY?

MAINSTREAM DEFINITION



ALTERNATE APPROACH

ECONOMIC DEVELOPMENT ACTIVITY
THAT MEETS THE NEEDS OF THE
PRESENT WITHOUT COMPRISING THE
ABILITY OF FUTURE GENERATIONS TO
MEET THEIR OWN NEEDS.

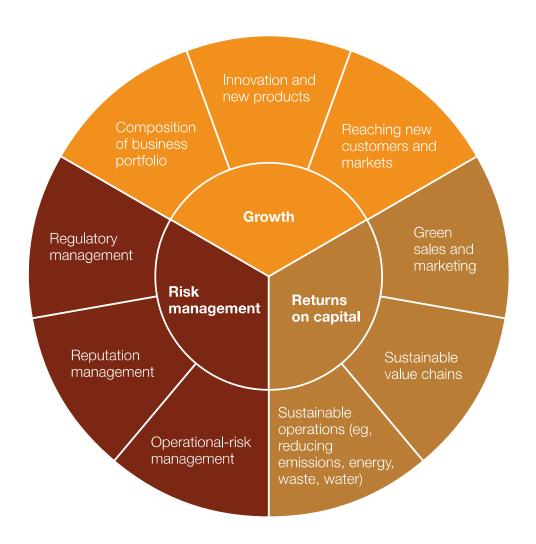
MAINTAINING THE CAPACITY OF ECOLOGICAL SYSTEMS TO SUPPORT SOCIAL AND ECONOMIC SYSTEMS

FOR BUSINESS, THIS MEANS THE
ADAPTIVE CAPACITY OF THE BUSINESS
TO RESPOND TO SOCIO-ECOLOGICAL
SYSTEMS CHANGES, WHILE MAINTAINING
ITS GENERATION OF VALUE ACROSS
TIME.

SUSTAINABILITY FRAMEWORKS

APPROACH A

IDENTIFICATION OF ESG
ISSUES WITHIN THE
COMPANY AROUND THREE
VALUE CREATION AREAS:
GROWTH, RISK
MANAGEMENT AND
RETURNS ON CAPITAL

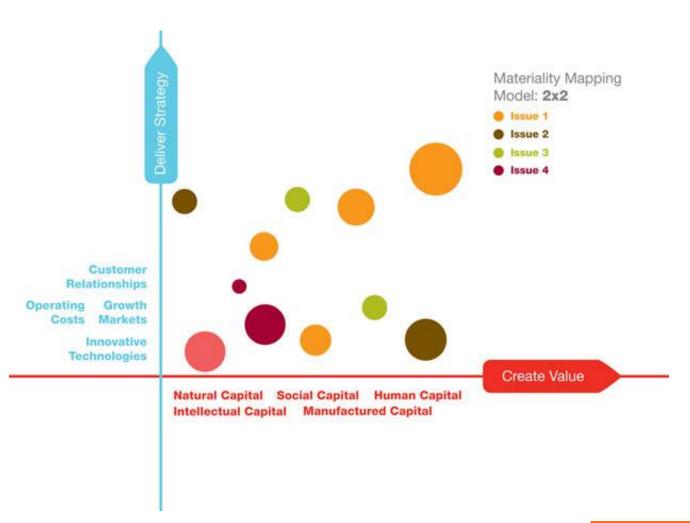




SUSTAINABILITY FRAMEWORKS

APPROACH B

MATERIALITY ANALYSIS
RANKS ESG ISSUES THAT
IMPACT TWO THINGS:
THE ABILITY TO DELIVER
COMPANY STRATEGY THE
ABILITY TO CREATE VALUE





SUSTAINABILITY ISSUES FACED BY THE SUGAR INDUSTRY

ECOLOGIC

- WATER STEWARDSHIP
- EMISSIONS
- AGROCHEMICAL USE
- Waste Management

SOCIAL

- LABOR
- COMMUNITY DEVELOPMENT
- SUPPLY CHAIN TRANSPARENCY
- PROPERTY RIGHTS



PANTALEON



SUGAR



ENERGY



ETHANOL



Panuco (MX)

White, Raw sugar Molasses Energy



Pantaleon (GT)

Refined, Brown, White and Raw sugar Alcohol, molasses and HTM Energy

Concepcion (GT)

Refined, Organic*, White and Raw sugar Molasses Energy

Panor (CL)

Refined and brown sugar Comercialization



Brown, White and raw sugar Molasses and HTM Energy



85,000 ton / day milling capacity

nilling capacit installed



1.34 MM ton / year of sugar

or sugar produced



677 GWh / year of energy sold



Vale do Paraná (BR)

Raw sugar

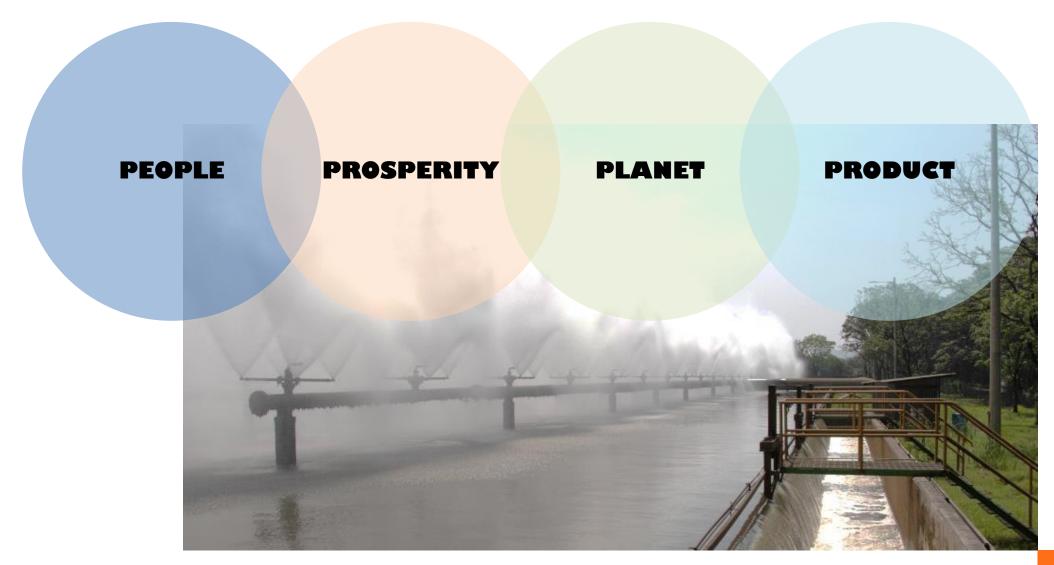
Alcohol

188,000 m³ / year of alcohol

produced



OUR SUSTAINABILITY APPROACH





OCCUPATIONAL HEALTH & SAFETY AND RESPONSIBLE LABOR CONDITIONS



PEOPLE

CHANGING THE SOCIAL LANDSCAPE













PROSPERITY



WATER STEWARDSHIP



PLANET



WASTE MANAGEMENT



PLANET



MECHANIZED HARVESTING

64% Guatemala

50% Honduras

95% Nicaragua

26% México

100%Brasil



PLANET

SUGAR



PRODUCT

CANE SUPPLY CHAIN



SUPPLIER CODE OF CONDUCT

Defines the standard and vision of Pantaleon towards its suppliers.



SUPPLIER MANUAL

Instruction guideline for cane suppliers as to how to comply with legal requirements.



ACTION PLANS & MONITORING

Individual action plans elaborated for each cane supplier, subject to verification by an external auditor.

PRODUCT



THEME	ISSUE (INDICATOR)	BASELINE (2013)	RESULT (2018)
PEOPLE	INDUSTRIAL SAFETY (LTI FREQUENCY RATE)	FR: 8.60 LTI	FR: 1.89 LTI
PLANET	INDUSTRIAL WATER USE (M3 / TONNE OF CANE)	6.83 M3 / TONNE OF CANE	2.56 M3 / TONNE OF CANE
	GHG EMISSIONS (TCO2 EQ./ TONNE OF SUGAR)	0.372 TCO2 EQ / TONNE OF SUGAR	0.261 tCO2 eq / TC
	AIR EMISSIONS (< 100 PST MG / NM3)	32% OF BOILERS COMPLY	85% OF BOILERS COMPLY
	AGROCHEMICAL USE (KG / HA)	N/A	7.21 KG / HA
PROSPERITY	COMMUNITY DEVELOPMENT (# PROGRAMS / \$ INVESTED)	N/A	11 PROGRAMS \$ 1.5 MM INVESTED / YR
	COMMUNITY RELATIONS (# COMMUNITY COMPLAINTS)	N/A	85 COMMUNITY COMPLAINTS
PRODUCT	SUPLY CHAIN SUSTAINABILITY	N/A	GT: 49/80 AUDITED FARMERS

INNOVATION





TRANSPARENCY IN THE SUPPLY CHAIN:

CERTIFICATIONS ■ISCC ISCC PLUS - Voluntary Add-ons 53 /100 25 /100 최소 Ethics

Source: www.sustainabilitymap.com



