



Group CEO Message

Our Sustainability Report



" Indorama Ventures

has set out a clear vision that embeds environmental preservation and

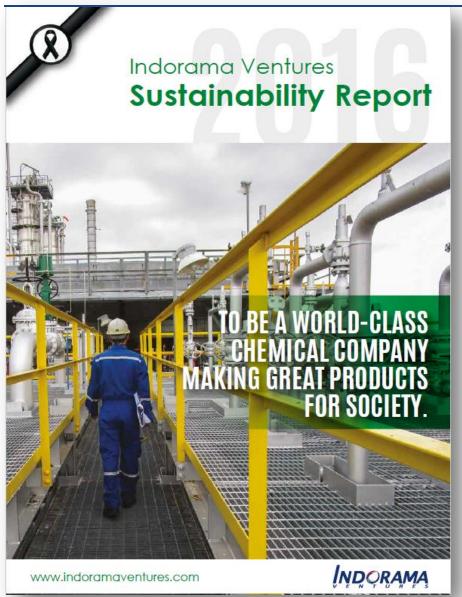
sustainability

into our business culture, day-to-day operations and long-term business strategy "

Aloke Lohia



2016 Sustainability Report



- In accordance with the GRI:G4 Guidelines
- Data verification of nine environmental and social indicators by an external assurance

Materiality Issues

Material Economic Issues

- Business Ethics & Integrity
- Regulatory Compliance
- Corporate Governance
- Innovation Management

Material Environmental Issues

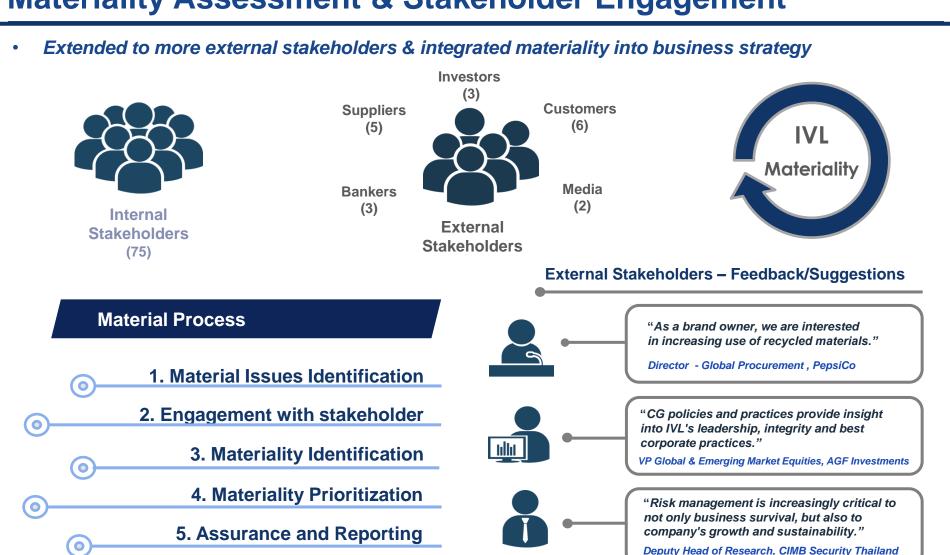
- Environmental Management
- Environmental Compliance
- Product Stewardship

Material Social Issues

- Health and Safety
- Human Rights
- Human Capital Management



Materiality Assessment & Stakeholder Engagement





Data Verification & Report Assurance

Standardized Environmental and Social Data for Sustainability Report

External Assurance Audit Coverage

2015 Report

20 Sites

40% Production Capacity

2016 Report

22 Sites

1 50% Production Capacity

2020 Target

All Sites

100% Production Capacity

22 sites

7 sites in Thailand



15 overseas sites



GRI G4 – 9 Indicators

G4 - EN3 Energy Consumption within the organization

G4 - EN8 Water Withdrawal by Source

G4 – EN15 Direct green house gas (GHG) emissions (Scope1)

G4 – EN16 Indirect green house gas (GHG) emissions (Scope2)

G4 - EN21 NOx, SOx and VOCs

G4 - EN22 Total Water discharge by quality and destination

G4 – EN23 Total weight of waste by type and disposal method

G4 - LA6 Types and rates of injuries, occupational diseases, lost days, absenteeism, work-related fatalities

G4 – LA9 Average hours of training per year per employee



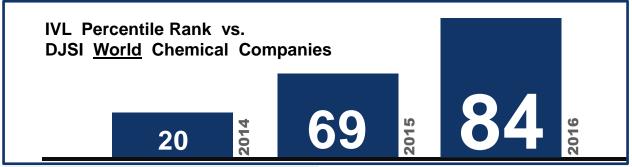
Sustainability Performance



Bronze Class: RobecoSAM's Sustainability Yearbook 2017

Bloomberg

Leading in SET Index: **Bloomberg ESG Disclosure Scores**





A constituent of: the FTSE4Good ASEAN5 Index and the FTSE4Good Emerging Index



#1 Thai MNC: **Transparency in Corporate Reporting**



Climate Change Rating - B

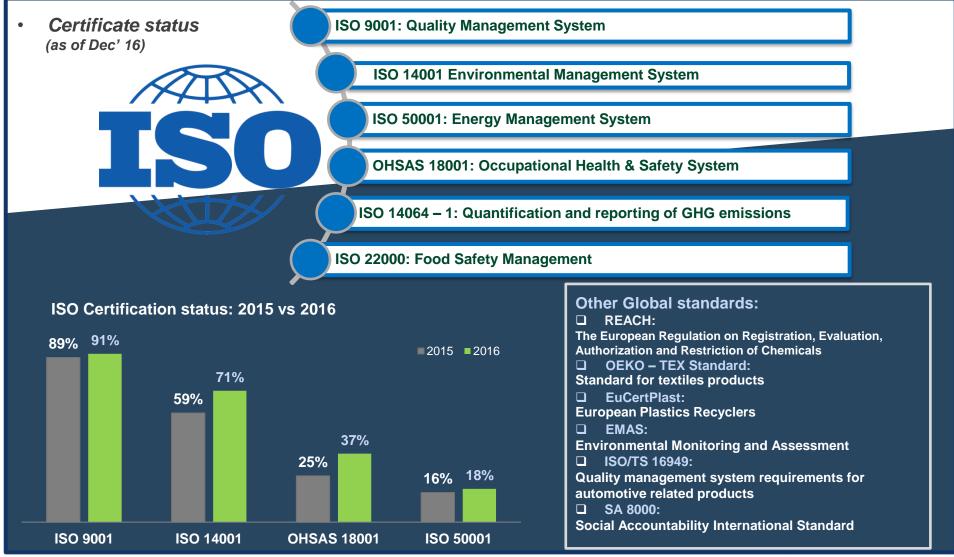


EcoVadis

Gold Recognition: Top 5% performers evaluated by EcoVadis



Global Certification





Innovation Management

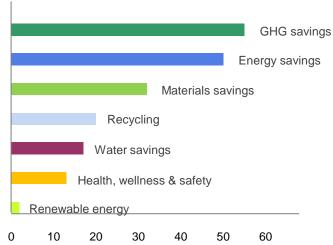


Achievements in 2016

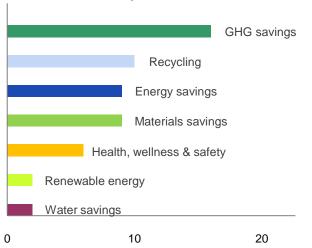
IVL's Fibers Business achieved a vitality index of 22.2%

(as against 21.6% in 2015)





Environmental product innovation attributes, 2013 to 2016





Customer Relationship Management



Customer satisfaction measurement and performance

Business Segment	2016 CSI * (%)	CSI Target for 2017	2016 CRR ** by Revenue (%)	CRR by Revenue Target for 2017
Fibers	83	Equal to or better than 2016 CSI	72	≥ 73
PET	85		97	≥ 94
Feedstock	88		97	≥ 80
Wool	86		90	≥ 85
Packaging	80		95	≥ 95
Total IVL	86		93	≥ 85

^{*} Customer Satisfaction Index

Highlights and achievements in 2016

Customer satisfaction measurement covered

100% of operations

- □ Customer satisfaction survey standardization
- □ Net Promoter Score (NPS) calculation

Net Promoter Score (NPS)

l	Promoters	Passives	Detracto	ors NPS			
ı	48%	41.80%	10.2%	38			
l	(NPS) = % Promoters - % Detractors						
ı	0 – 6: Detractors 7 –	8: Passives	9 – 10: Pro	moters			
۱	Q: How likely is it that you would recommend us as a supplier						
l	Not At All likely		Extreme	ely likely			

0



^{**} Customer Retention Rate

Recycling Business

From 2011 to 2016

Approximately 500,000 tons of PET waste saved from landfills

Over 156,000 tons of CO₂ reduced from recycling



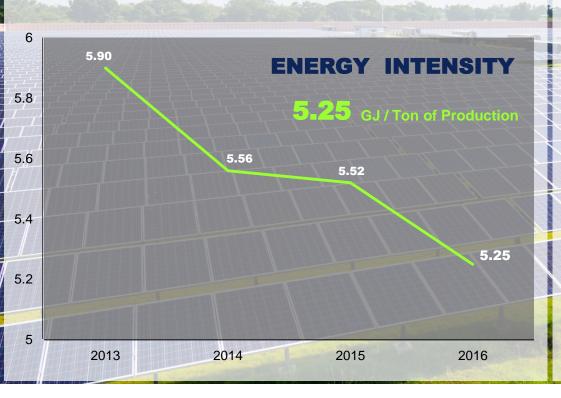




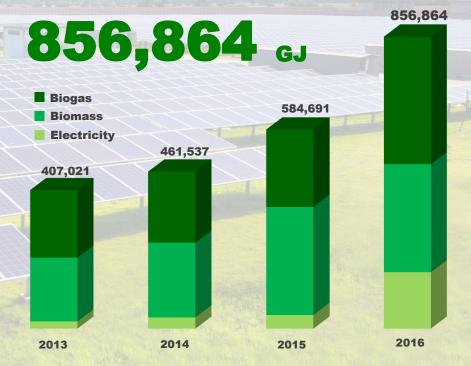
Energy

Our Sustainability Report

Energy Consumption 2013 2014 2015 2016 33.2 37.5 41.4 52.2 Total energy consumption (million GJ) 0.09 0.13 Renewable energy intensity 0.08 0.10 (GJ / Ton of Production)

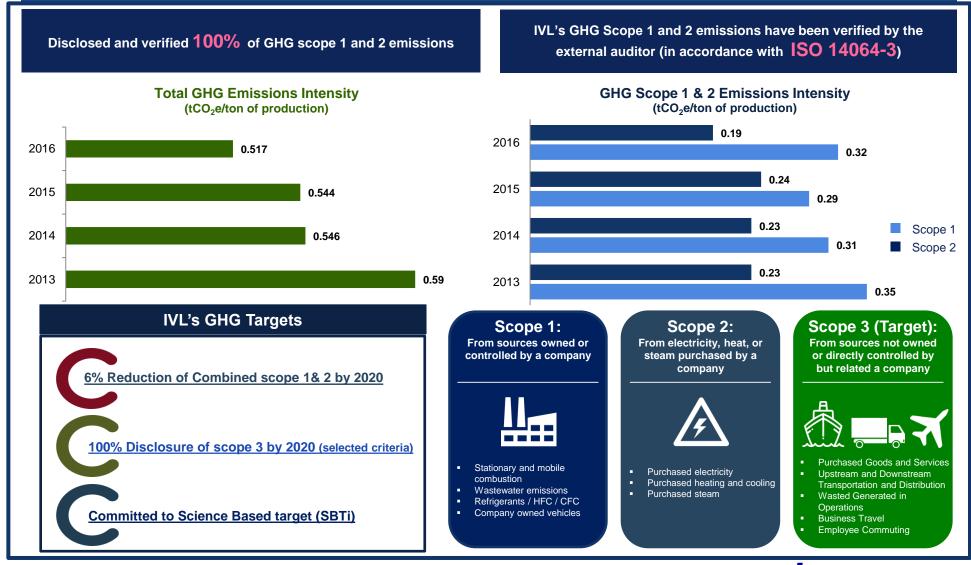


Year-on-year increase in RENEWABLE ENERGY usage in IVL operations





Green House Gas (GHG) Emissions





Use of Bio MEG

59,340 tons

18,062

from 2013 - 2016

Renewable Resources









14,848





10,736

2016

15,694





Over **26,000** tons of **Poly Lactic Acid (PLA)**

have been produced from 2012 - 2016

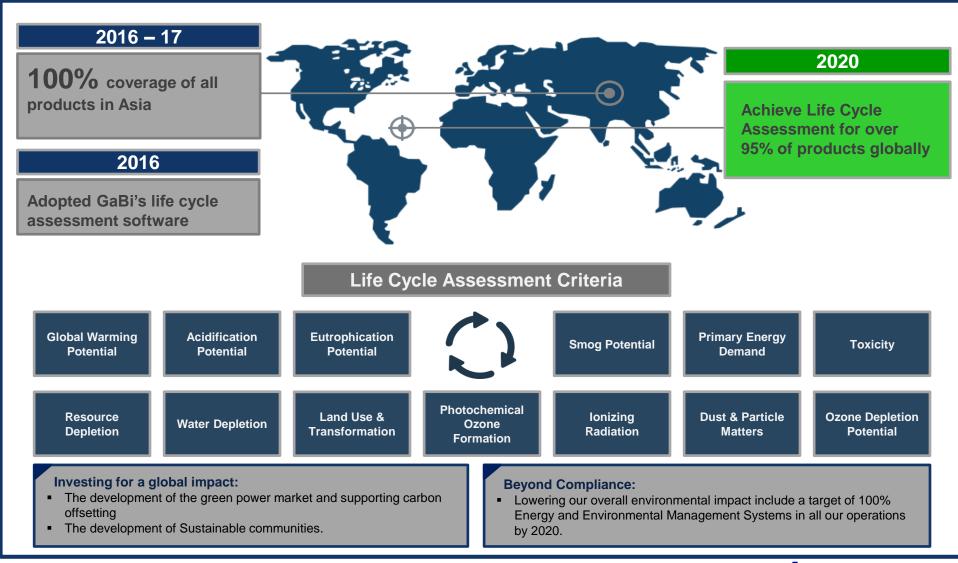


Reducing our carbon footprint by over



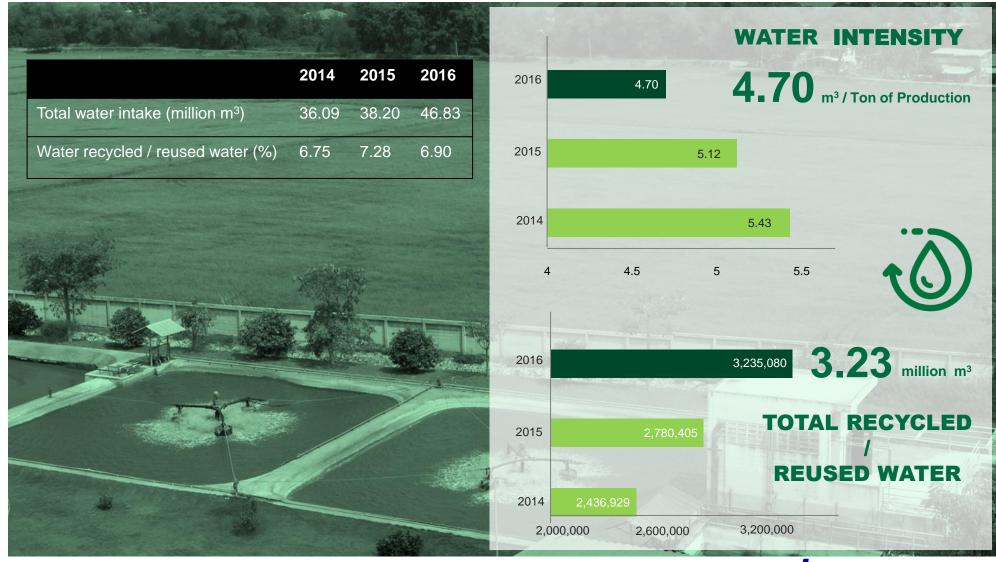


Life Cycle Assessment (LCA) – Cradle to Factory Gate

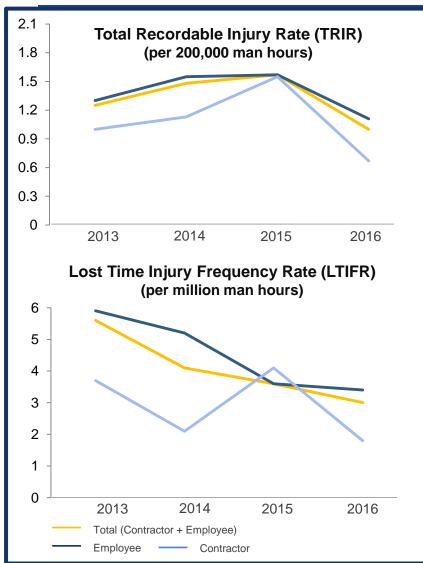




Water Management



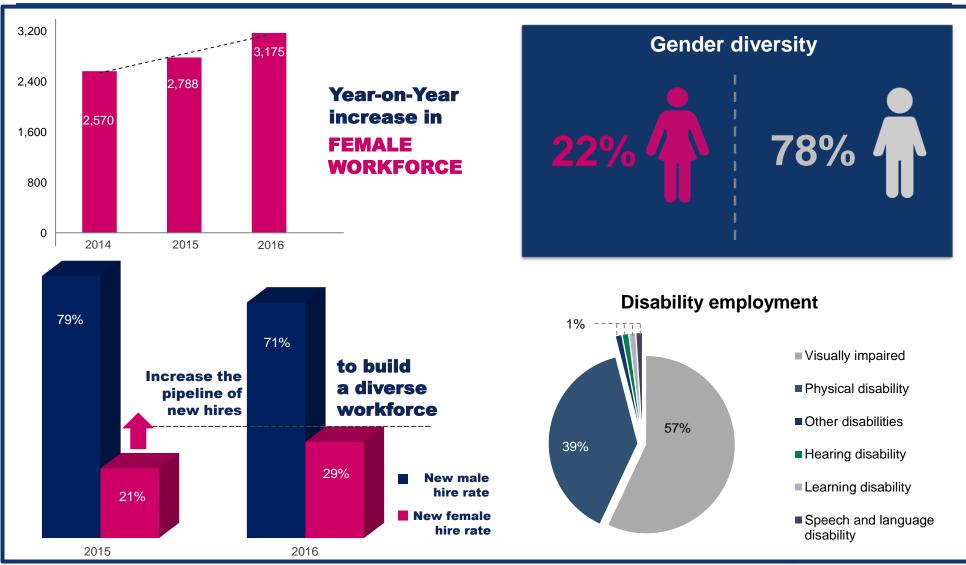
Occupational Health & Safety





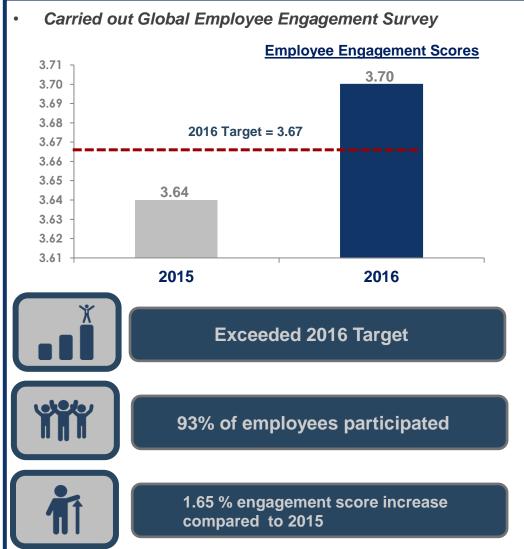


Diversity





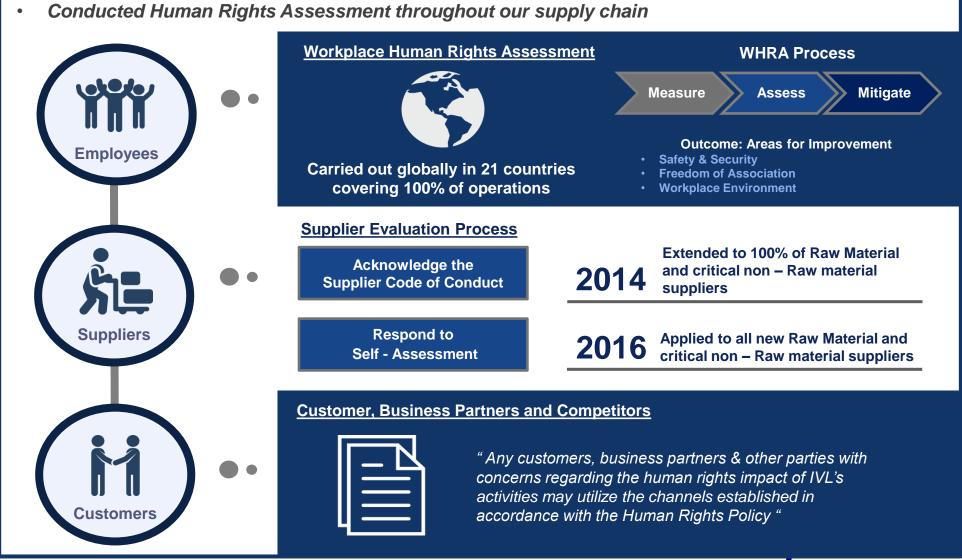
Global Employee Engagement



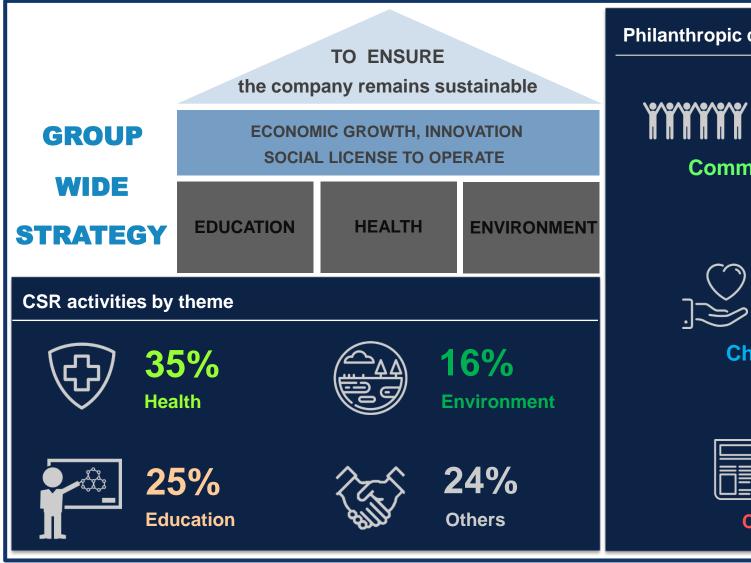




Human Rights Assessment



Corporate Citizenship





Contacts and Feedback



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Visit website for our 2016 Sustainability Report

http://www.indoramaventures.com/EN/CSResponsibility/pdf/sustainability_report_2016.pdf



Share your thoughts and feedback online with us

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