# Environmental Social and Governance Reporting Used Lead Acid Batteries (ULAB)



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### What is Environmental, Social and Governance (ESG) Reporting

The Environmental, Social And Governance reporting (ESG) as related to HK public companies, is a set of standards for a company's operations that socially conscious investors use to screen investments.

Environmental criteria looks at how a company performs as a steward of the natural environment.

Social criteria examines how a company manages relationships with its employees, suppliers, customers and the communities where it operates.

Governance deals with a company's leadership, executive pay, audits and internal controls, and shareholder rights. Investors who want to purchase securities that have been screened for ESG criteria can do so through socially responsible mutual funds and exchange-traded funds.







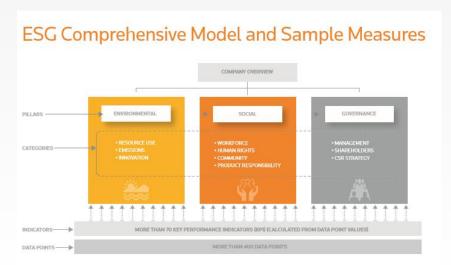
### What is Environmental, Social And Governance (ESG) Reporting

Environmental criteria are used to report a company's energy use, waste, pollution, natural resource conservation and animal treatment. They also evaluate which environmental risks might affect a company's income and how the company is managing those risks. For example, a company might face environmental risks related to its ownership of contaminated land, an oil spill it was responsible for, its disposal of hazardous waste, its management of toxic emissions or its compliance with the government's environmental regulations.

Social criteria reports the company's business relationships abnd structure both internal and external.

- ☐ Does it work with suppliers that hold the same values that the company itself claims to hold?
- ☐ Does the company donate a percentage of its profits to the community or perform volunteer work?
- ☐ Do the company's working conditions show a high regard for its employees' health and safety?
- ☐ Are stakeholders' interests taken into consideration?

Governance, investors want to know that a company uses accurate and transparent accounting methods, and they want to see that common stockholders are allowed to vote on important issues. They also want companies to avoid conflicts of interest in their choice of board members. Finally, they prefer not to invest in companies that engage in illegal behavior or use political contributions to obtain favorable treatment.







## ESG Reporting in Hong Kong Hong Kong Companies Ordinance

The Companies Ordinance in Hong Kong was revised in 2014. According to Schedule 5 of the ordinance relating to the "Contents of Directors' Report: Business Review," such report must now contain a discussion on:

- 1. The company's environmental policies and performance;
- 2. The company's compliance with the relevant laws and regulations that have a significant impact on the company;
- 3. An account of the company's key relationships with its employees, customers and suppliers and others that have a significant impact on the company and on which the company's success depends.
- 4. All companies incorporated in Hong Kong are required to follow the above disclosure requirements unless they are exempted.







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## ESG Reporting in Hong Kong Hong Kong Exchange

#### **HKEx Listing Rules**

In 2015, HKEx has introduced disclosure requirements in Appendix 16 of the Listing Rules.

These are similar to the above new disclosure requirements of the ordinance to be effective from January, 2017 onward for all the listed companies.

Information required to be in compliance with Stock Exchange of Hong Kong (HKEx) Appendix 27

ESG Reporting on hazardous waste is found under:

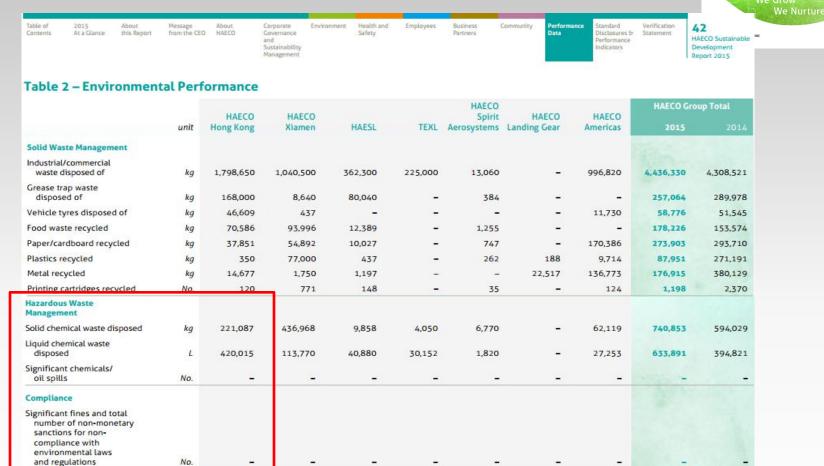
- ➤ KPI B1.3 Corporations disclosure to include total hazardous waste produced (in tonnes); and intensity.
- ➤ KPI B1.6 Description of the handling methods; reduction initiatives; and the results by undertaking the recycling process.





# Sustainable Development Reporting

Hong Kong Aircraft Engineering Company Limited ("HAECO Hong Kong") 2016 Release







HAECO

# **ESG** Reporting - Thailand

#### 6. Continuously Improving Information Disclosure



Integrated

### Stock Exchange of Thailand

6.1 Requirement of information disclosure to encourage listed companies to continuously improve their CSR practices.

- Set 'step-up' targets to consistently raise the level of SD disclosure.
- Develop SD progress indicators to be included in the company profiles.
- Consider the issuance of guidelines to account for social and environmental impact.

Exchange entity	Stock Exchange of Thailand (SET)
Conducts business in	Thailand
Number of listed companies (10/15, WFE)	634
Domestic market capitalization (in Millions USD, 10/15, WFE)	379,713
Has signed the SSE Commitment Letter?	Yes
Has prepared SSE Communication to Stakeholders?	Yes
Requires ESG reporting as a listing rule?	Yes; In Thailand, the Securities and Exchange Commission mandates sustainability reporting. Source, pg 43 (Download act here)
Offers written guidance on ESG reporting?	Yes  Guidelines for Sustainability Reporting (in Thai) Apart from the publications, SET has produced newsletter 'SD Focus' as key communication channels between the Exchange and listed companies, to keep them abreast with the upand-coming sustainability-related trends in the global business world.





 In addition, a series of other guidance documents can be found via the exchange's Social Responsibility Center (SR Center) and its Corporate Governance Center (CG Center)

online.

## The Future - Data Centers and ULAB's

#### Industry Analysis

Data center UPS market size is anticipated to surpass USD 6.5 billion by 2022, growing at a CAGR of 7.4% from 2015 to 2022. Increased adoption of cloud computing along with falling tolerance limits pertaining to data loss is likely to surge the demand growth from 2015 to 2022. Power outages could be costly; as even short outages might cause significant amount of damage.









# Q& A For further Information

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Appendix - Hidden Slides





# Hong Kong - ESG | CSR | GRC How the terms are related to Corporate Governance

Appendix 27 - Environmental Social and Governance (ESG) Reporting

- ✓ 2015 Voluntary
- √ 2016 Comply or Explain
- ✓ 2017 Comply + KPI requirements



ESG Reporting: A step closer to transparent sustainable business Following a consultation with the market in 2015, the Stock Exchange of Hong Kong ('the Exchange') issued a revised version of Appendix 27 **Environmental, Social and Governance** ('ESG') Reporting Guide ('the Guide') in December 2015, that was partly effective for issuers on the Main Board1 for accounting periods starting on or after 1 January 2016, and will become fully effective for accounting periods starting on or after 1 January 2017.

Providing Corporate Social Responsibility (CSR) to the society, means to make a documented effort and promise to improve Governance, Risk Management and Compliance (GRC) defaults in the organisation and to do more than what it is expected of responsible companies for all stakeholders.





# ESG Reporting uses - Global Growth 2014 - 2016

2016 \$Bn	Europe	United States	Canada	Australia New Zealand	Asia ex Japan	Japan	Global
Negative/exclusionary screening	\$11,064.15	\$3,574.64	\$347.00	-	\$18.80	\$18.67	\$15,023.26
ESG integration	\$2,884.52	\$5,811.21	\$1,051.83	\$477.02	\$24.48	\$119.95	\$10,369.01
Corporate engagement and shareholder action	\$4,654.35	\$2,558.20	\$862.10	_	\$1.05	\$289.59	\$8,365.29
Norms-based screening	\$5,545.67	× <b>—</b> ×	\$589.73	\$18.91	\$0.05	\$55.96	\$6,210.32
Positive/best-in-class-screening	\$537.78	\$246.79	\$219.27	-	\$1.38	\$25.07	\$1,030.29
Sustainability themed investing	\$158.32	\$73.27	\$67.10	\$17.03	\$6.25	\$8.60	\$330.56
Impact/community investing	\$107.18	\$123.40	\$6.65	\$2.72	\$0.06	\$7.96	\$247.96
Total	\$12,039.57	\$8,723.22	\$1,085.97	\$515.73	\$52.07	\$473.57	\$22,890.14
Growth 2014–2016	Europe	United States	Canada	Australia New Zealand	Asia ex Japan	Japan	Global
Growth 2014–2016  Negative/exclusionary screening	<b>Europe</b> 48.1%		<b>Canada</b> 194.4%			<b>Japan</b> na	Global 24.7%
		-19.5%		New Zealand	ex Japan		
Negative/exclusionary screening	48.1%	-19.5% 22.6%	194.4%	New Zealand na	ex Japan 13.5%	na	24.7%
Negative/exclusionary screening ESG integration Corporate engagement and	48.1% 39.3%	-19.5% 22.6% 49.1%	194.4% 86.2%	New Zealand na 269.7%	ex Japan 13.5% 4.6%	na na	24.7% 37.7%
Negative/exclusionary screening ESG integration Corporate engagement and shareholder action	48.1% 39.3% 30.3%	-19.5% 22.6% 49.1% na	194.4% 86.2% 36.6%	na 269.7% na	ex Japan 13.5% 4.6% -8.9%	na na na	24.7% 37.7% 41.3%
Negative/exclusionary screening ESG integration Corporate engagement and shareholder action Norms-based screening	48.1% 39.3% 30.3% 40.0%	-19.5% 22.6% 49.1% na -50.7%	194.4% 86.2% 36.6% 43.7%	na 269.7% na na	ex Japan 13.5% 4.6% -8.9% na	na na na na	24.7% 37.7% 41.3% 41.6%
Negative/exclusionary screening ESG integration Corporate engagement and shareholder action Norms-based screening Positive/best-in-class-screening	48.1% 39.3% 30.3% 40.0% 39.5%	-19.5% 22.6% 49.1% na -50.7% 144.2%	194.4% 86.2% 36.6% 43.7% 10273.0%	na 269.7% na na na	ex Japan 13.5% 4.6% -8.9% na -19.9%	na na na na na	24.7% 37.7% 41.3% 41.6% 15.7%

