



Safety Leadership and Smart Site Safety System

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HK Electric: Powering Hong Kong





One of the world's oldest power companies

 Powering homes and businesses of Hong Kong since 1890 entering our 135th year of operation in 2025.

A vertically integrated power company

• The Company's operations cover power generation, transmission & distribution and customer services.

Powering Hong Kong's prosperity and stability

- Provides electricity to over 590,000 customers on Hong Kong Island and Lamma Island.
- Supplies Hong Kong's core political and economic areas.

Providing world-class supply reliability

- Achieved a world-class power supply reliability rating of 99.999% for more than a quarter of a century.
- Over 99.9999% in 2024 which is equivalent to less than 0.5-min unplanned power interruption per customer in a year.



Safety Leadership - Responsibility

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- What is "Safety Responsibility"?
- Why is Safety more than just adhering to rules?

Safety isn't just compliance; it's a shared act of care.





Safety Leadership – Our Core Values





- Leadership means Safety is led from Top Management
- > HK Electric's Health & Safety practices embody our "4 core values"





Our Vision and Mission in Safety Leadership



- Excel in occupational health and safety performance
- Achieve an accident-free operation in a proactive and caring manner
- Committed to protecting the health and safety of our employees, customers, contractors and the public by conducting our business in a safe and socially responsible manner.
- Comply fully with all applicable laws and regulations and strive to integrate health and safety considerations into all aspects of our business activities.







> Top Management Commitment – H&S Forum, SHE Day, Life First Campaign



























Safety Initiatives – EMSD Safety Conference,
Innovation Expo















- Brochure
- Contractors involvement
- Dispatch SHE Messages











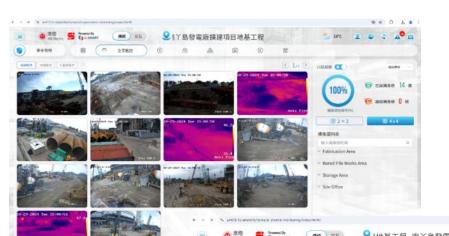






4S is adopted in our major construction projects

CIC – Smart Site Safety System Labelling Scheme

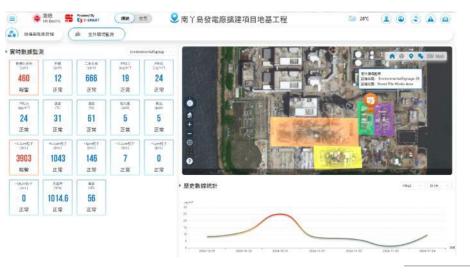














Pursuit





√ Implementation of "4S"

Since 2023, HK Electric has collaboration with "4S" vendors to further enhance the safety systems in our projects. To date, six projects have implemented the "4S".

✓ Benefits of "4S"

- Real-time Monitoring and Alerts to prevent accidents and injuries
- Proactive Hazard Identification
- Long-term data insights to identify risk patterns
- Enhanced Company Reputation











Innovating Beyond Boundaries

We collaborated with "4S" vendors to develop 4S Infinity solutions – an advanced suite of six innovative safety products.

1. Danger Zone Safety Cover Plate





2. Mobile Confined Space Air Monitoring System





3. Smart Watch Charging Cabinet



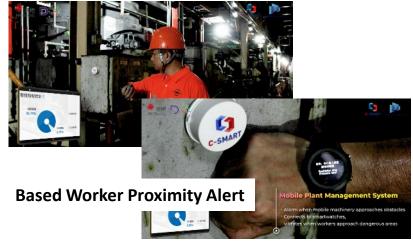






Innovating Beyond Boundaries

4. Mobile Plant Management System





5. 3-in-1 Smart Helmet





6. Metal Scaffolding Digital Sensor





Case Studies and Continuous Improvement

- Regular Safety Meetings to review fatal and serious accidents in HK
- Benchmarking safety performance & prevent similar accidents in our workplaces.



Trial run of digital sensors on scaffoldings at Lamma Power Station (LPS) of HK Electric to enhance scaffolding safety



建造業安全訊息 第 33 / 24 號

東涌工地一工人被夾於動力操作 升降工作台與橫樑之間

煩請閣下在合適情況下,將以下安全訊息轉發給 貴會會員

Safety Alert - Strike to death by MEWP Courtesy of CIC, 22 Nov 2024



職安警示

1. 意外日期: 2024年7月

3. 意外摘要:

土機的機貨之間

Safety Alert - Strike to death by excavator Courtesy of LD, Jul 2024



Mandatory application of Mobile Plant Alert System at LPS



Safety Innovation





Design for Safety (Dfs) – CIC Pilot Run – Two Projects

- a) Substation Building Project, Phase 1
- b) L13 Gas Receiving Station Project, Phase 2

Project Sharing Presentation for Phase 1











Safety Culture Exchange

















Awards and Recognitions

























Reflections and Takeaways





- 1. Safety Starts with Attitude
- 2. Leaderships Turns Policy into Culture
- 3. Smart Systems Strengthen Our Responsibility
- 4. Foresight Creates Safer Work Environment
- **5. Exchanging Safety Culture Fuels Progress**
- 6. Achievement is Recognition Through Practice.









Thank you

