

EC Campus

Energy Connect Campus

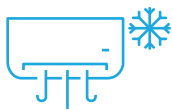
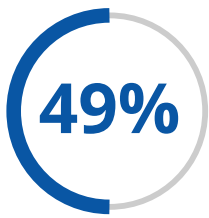


SMART SCHOOL SOLUTION

Improve school operations and environmental impacts, while providing practical STEM programmes

Looking Deeper into Campuses

Breakdown of Energy Consumption



On Ventilation and Air Conditioning



On Office Equipment



On Lighting



On Others

Air Quality



Level of Indoor Air Pollutants

5 Times

Higher than Outdoor Levels



What EC Campus Can Do

Machine Learning Energy Consumption Monitoring and Forecast

- Visualise, keep track of historical and current consumption data
- Forecast future consumption
- Quantify energy saving efforts

Smart Lighting Control

- Automate lighting control based on occupancy and scheduling
- Manage lighting through user interface
- Save time of routine patrols to manage lighting

Automatic Ventilation & Air-con Control and Monitoring

- Combine temperature and motion sensors to optimise indoor temperature
- Create comfortable environments for schools and teachers

Smart Air Quality Monitoring

- Monitor real-time indoor air quality and historical data
- Receive alerts when air quality needs attention
- Put the wellbeing of teachers and students as the top priority

Facility Utilisation Optimisation

- Gain visibility on facility usage and occupancy
- Book rooms instantly anywhere, with hassle-free check-ins and instant app notifications

Enhanced Safety Level

- Monitor concentration of chemicals, e.g. methane and carbon dioxide
- Detect smoke and water leakage to prevent hazards

What EC Campus Can Bring to Schools



Enhanced Cost, Energy,
Manpower Savings & Efficiency

Up to **30%**
Potential Energy Consumption Savings



STEM Tools to Promote
Environmental Awareness



Meet Environmental
Goals and Improve
Your School's Image



First-hand and Accurate
Data for On-going
Monitoring & Benchmarking



Improve Student and Teacher
Comfort, Health & Productivity

50%

Productivity improvement
with better air quality

3%

Improvement in
test scores



Ensure
Laboratory Safety



Ensure Facility's
Optimal Utilisation

Our Cloud-based Intuitive User Interface

Your School Logo

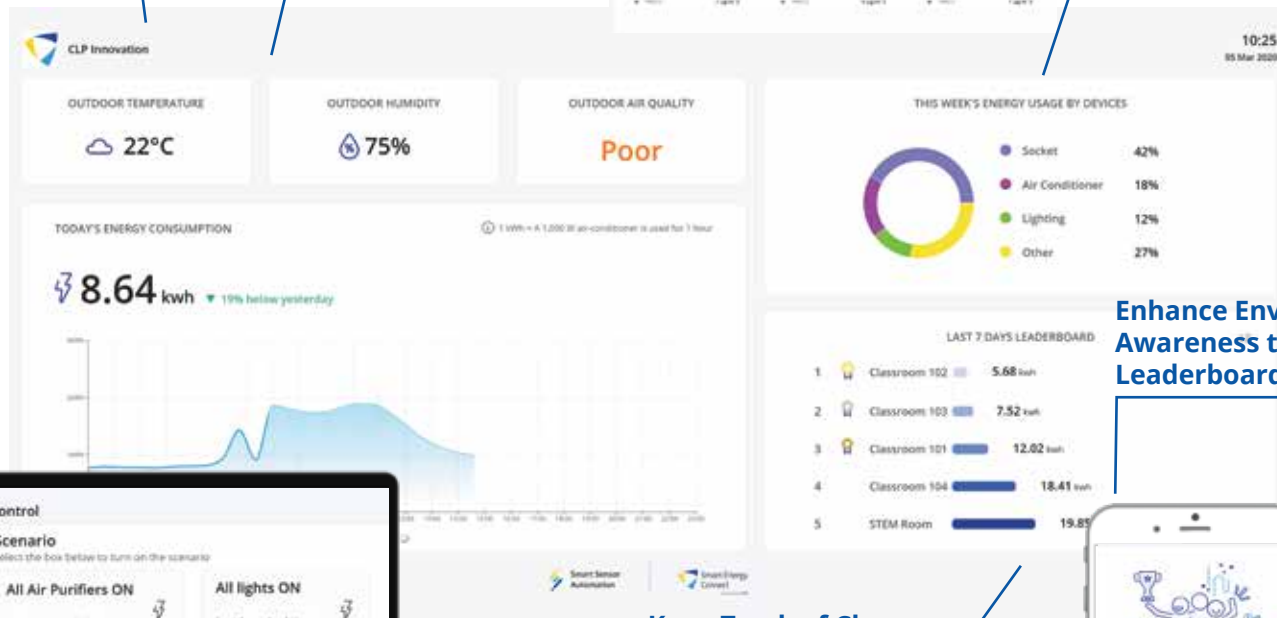
External Environment Overview

- Temperature
- Humidity
- Air Quality

• Compare Room Environment

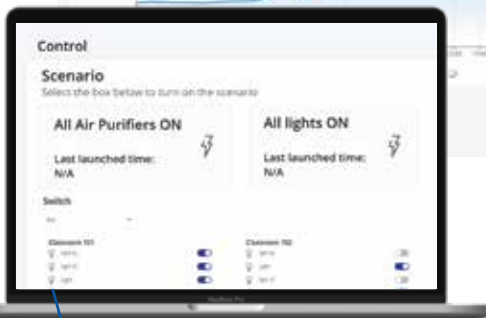
Data Reporting and Analytics

- Energy Consumption Trends and Forecasts
- Energy Consumption by Device



Enhance Environmental Awareness through Leaderboard

Keep Track of Classes Sustainability Performance



Smart Classroom Management through Automation



EC Campuses in Hong Kong



Leung Sing Tak College

- 8 Air conditioners
Automated control by motion sensors
- 11 Hours
Of automated control per school day
- Inactivity during school times
Automatically triggers energy-saving mode



Pat Heung Central Primary School

- 12 Air conditioners
Real-time energy monitoring and automated control by motion sensors
- 2 Classrooms
Fresh air unit control by carbon dioxide (CO₂) sensors
- Abnormal CO₂ concentration
Automatically triggers fresh air unit

About Smart Energy Connect

We care about our customers and the community that we live in. Against sustainability challenges faced by the Asia Pacific region and the world alike, we seek to empower our customers in achieving sustainability goals and combatting climate change



Energy and Carbon Management

From smart lighting, solar generation, battery storage, carbon audit and offset, new options are available for you



End-to-end Service

For energy innovations, from consultation, customisation, deployment to optimisation

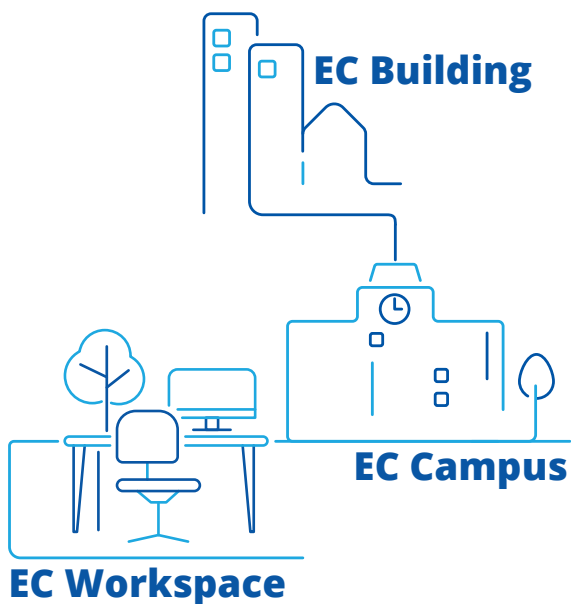


Operation Enhancement

From conducting health check-ups, identifying faults to recommending optimisation opportunities

Solutions at a Glance

For More Energy-saving, Money-saving, Time-saving Solutions



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Smart Energy Connect



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