

**PROJECT CLEAN AIR**  
**Certification Scheme for Clean Air Charter**  
**Final Report**  
**For**  
**Analogue Group of Companies**

**ATAL**

**Prepared by**

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**September 2010**

## 1. INTRODUCTION

Established since 1977, the Analogue Group (ATAL) has evolved into a full-fledged group consisting of 13 electrical and mechanical (E&M) engineering companies employing over 1,000 staff and achieving a turnover in excess of HK\$2.0 billion a year. ATAL has the experience and qualified professionals to help clients meet all challenges on environmental, electrical, mechanical and building services systems related to their installation and maintenance. Their aim is to ensure the smooth execution of contracts and the trouble-free operation of all systems, for public and private sector clients in Hong Kong and China.

The comprehensive range of services ATAL provide to public institutions, utilities companies, commercial developers as well as industrial and residential customers include the design, procurement, installation, operation and maintenance of HVAC systems, electrical systems, fire services systems, plumbing and drainage systems, automation systems, water treatment plants, wastewater treatment plants, sludge treatment plants, solid waste handling, landfill and incineration plants, railway and intelligent transport systems, facilities Management, maintenance & servicing etc.

This report outlines the findings of the Business Environment Council (BEC) from a walk through audit and interview with Mr. Sammy Wan - Quality & Safety & Environment Manager.

From the pre-audit questionnaire completed by ATAL, it was determined that ATAL fits into Group C category of the certification scheme, showing that the organization has comprehensive management systems and means in place to identify and verify the implementation of energy efficiency / emission reduction programmes that are in compliance with the Clean Air Charter.

The site visit was conducted at the Analogue Group of Companies and led by Ms Konnie Yu on 5<sup>th</sup> July 2010. The purpose of this audit was to verify ATAL's commitments to the Clean Air Charter.

## 2. OBSERVATIONS AND COMPLIANCE


Based on the site meeting, ATAL's programmes and practices on reducing air emission were reviewed. In general, a systematic approach on addressing the Clean Air Charter's commitments has been implemented as follows:

- ATAL is committed to maintaining a high standard of Environmental, Health and Safety (EHS) management by setting and reviewing appropriate EHS objectives and targets within its operations on a regular basis.
- ATAL has established and maintained an Environment, Health & Safety (EHS) Management which has been certified to ISO 14001 and OHSAS 18001 Standards.
- Group policy statement, environmental objectives and programme are established to address environmental, health and safety issues.
- Corporate EHS committee meeting and task force meetings are held regularly to monitor the environmental parameters and a team has been established to monitor the carbon emission and energy management with representatives from different departments.
- ATAL board of directors are responsible to review annual performance and setting up new objectives and targets addressing Clean Air Charter.
- Environmental requirements are incorporated in the appendix to work orders to all subcontractors to ensure environmental compliance. Environmental performance is considered in selecting and appraising suppliers and subcontractors.
- ATAL's top management direction on air emission / energy reduction to their staff through email, intranet, newsletters, posters and regular departmental meetings.

Regarding the six commitments of the Clean Air Charter, the table below summarizes the achievements of ATAL:

Commitment	Action done
1) Operate to a recognized world class standard, or the standards established by the Hong Kong / Guangdong governments on emissions of air pollutants, even if it is not a requirement to do so here. (Relevant to industrial operations, power plants and business with direct emissions)	<ul style="list-style-type: none"> <li>◆ In view of the main activities in the ATAL's office, no major direct emission is generated. Most of the air emission is indirect (energy consumption), hence this commitment has limited applicability for ATAL.</li> </ul>
2) Use continuous emissions monitors (CEMs) at significant sources, e.g. large and medium plants. (Relevant to large / medium industrial operations and power plants)	<ul style="list-style-type: none"> <li>◆ This commitment is for industrial or power plants, hence not applicable for ATAL.</li> </ul>
3) Publish information on energy and fuel use, as well as total emissions of air pollutants annually and timely, if emissions are significant.	<ul style="list-style-type: none"> <li>◆ ATAL reviews their energy consumption in quarterly EHS Committee meetings.</li> <li>◆ Energy consumption is benchmarked amongst various departments of the group.</li> <li>◆ Consolidated energy consumption data are presented in the Group Environmental &amp; Consumption Report.</li> </ul>
4) Undertake to adopt energy-efficient measures in their operations.	<p>ATAL has implemented a number of energy-efficient measures in their operations to reduce indirect emissions from local power plants, including:</p> <ul style="list-style-type: none"> <li>◆ ATAL installed occupancy sensor in order to reduce electricity consumption on lighting.</li> </ul>

Commitment	Action done
	<div data-bbox="771 247 1383 661" data-label="Image"> </div> <ul style="list-style-type: none"> <li>◆ Energy saving LED exit signs are adopted</li> </ul> <div data-bbox="750 730 1360 1144" data-label="Image"> </div> <ul style="list-style-type: none"> <li>◆ Keep the room temperature at 25.5°C</li> </ul> <div data-bbox="763 1213 1377 1627" data-label="Image"> </div> <ul style="list-style-type: none"> <li>◆ Reminders are posted in the office area in order to reduce electricity consumption.</li> </ul>

Commitment	Action done
	
<p>5) Identify and encourage business-relevant measures to be taken on days when air pollution is high.</p>	<ul style="list-style-type: none"> <li>◆ When air pollution level is high, the Air Pollution Index (API) will be announced via emails and staff will be advised to reduce outdoor activities on high API days as far as possible.</li> </ul>
<p>6) Share air quality expertise in business with others.</p>	<ul style="list-style-type: none"> <li>◆ Achievements are shared with other companies through group newsletters, emails, website, open seminars, technical journals and articles.</li> </ul>

### 3. CONCLUSION

Analogue Group of Companies has demonstrated their commitments towards the Clean Air Charter's commitments and is recommended to be certified under the Clean Air Charter.