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## Message from the President

Dear Members,

When the new Council was formed in June 2004, we faced a very difficult environment of the E&M industry at that time. However, all our Council Members are still very co-operative and enthusiastic about their contribution to the industry. Although some experienced Council Members were retired, we also recruited some energetic and committed new Council Members to serve the Association.

All of us want to build up a better platform for our Members working with Developers, Main Contractors and various Government Departments. I am very pleased to see many new faces attending the monthly Council Meeting as Sub-Committee Members, we need more resources for external liaisons with different parties. Please support and encourage your staff to participate and contribute to the industry through working with your Association. Without your support, your Association is unable to fight for your best benefits. Let's work together for our bright future! ◊



K. L. Chan  
President

## ACRA Council Members for 2004-2006

The new Council was re-elected in June 2004. It composed of fourteen Council Members is responsible for the management of the Association.

<p><b>President</b> K. L. Chan</p>  <p>Trans Hong Kong</p>	<p><b>Immediate Past President</b> Raymond Szym</p>  <p>Krueger Engineering (Asia) Ltd.</p>	<p><b>Vice - President</b> K C Ma</p>  <p>Shun Hing Electric Works &amp; Engineering Co. Ltd.</p>	<p><b>Secretary</b> K Y Ip</p>  <p>Young's Engineering Co. Ltd.</p>	<p><b>Director</b> Bill Cheung</p>  <p>York International (Northern Asia) Ltd.</p>	<p><b>Director</b> Gambi Chiang</p>  <p>Johnson Controls Hong Kong Ltd.</p>	<p><b>Director</b> Eric Chu</p>  <p>Carrier Hong Kong Ltd.</p>	<p><b>Director</b> Ringo Shea</p>  <p>Newland Engineering Ltd.</p>
<p><b>Chairman</b> Raymond Lin</p>  <p>The Jerline Eng. Corp. Ltd.</p>	<p><b>Vice - President</b> Victor Law</p>  <p>ATAL Engineering Ltd.</p>	<p><b>Treasurer</b> Polly Mui</p>  <p>Souha Co., Ltd.</p>	<p><b>Director</b> Victor Cheung</p>  <p>Shinyo (Hong Kong) Ltd.</p>	<p><b>Director</b> W G Chu</p>  <p>Meco Engineering Ltd.</p>	<p><b>Director</b> Dennis Lau</p>  <p>Ryodan Engineering Co., Ltd.</p>		

## New Technology Commissioning - A Way Leading To Quality Buildings

Ir C. F. Wong



### 1. Background

The term "commissioning" (abbreviated as Cx) has two definitions according to British and American. In US (ASHRAE Guideline 1-1996), commissioning is the process of ensuring that systems are designed, installed, functionally tested, and capable of being operated and maintained to perform conformity with the design intent. In Britain (CIBSE Cx Code W-2003), it is the advancement of an installation from the state of static completion to the full working order to specified requirements.

HVAC commissioning is complicated but should not include other building systems

which did not directly affect the performance of the HVAC systems. With a proper commissioning process, the performance of HVAC systems could be achieved, validated and documented that meet the design needs and requirements of the owner. Because all sub-systems are integrated, a deficiency in one component will cause a less optimal operation and performance among other components. Remedy on these deficiencies can result the following benefits:

- i) Achieve environmental conditions for occupants comfort and building productivity;
- ii) Save in energy through system tuning;

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(in alphabetical order)

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