



# About CAPEC

CAPEC-CESA Seminar

Dec. 13, 2013

# About CAPEC

- CAPEC is the abbreviation of China Association of Plant Engineering Consultants. Founded on May 18th, 2004, CAPEC is a nation-level non-profit professional organization in Chinese plant engineering consulting industry.
- Affiliated to the General Administration for Quality Supervision, Inspection and Quarantine (AQSIQ), P.R.C., CAPEC is an important platform for promoting the development of plant engineering consulting system in China.
- CAPEC has more 13,049 members, among which 310 are company members, and 12,736 individual members. Most individual members are registered plant engineering consultants.

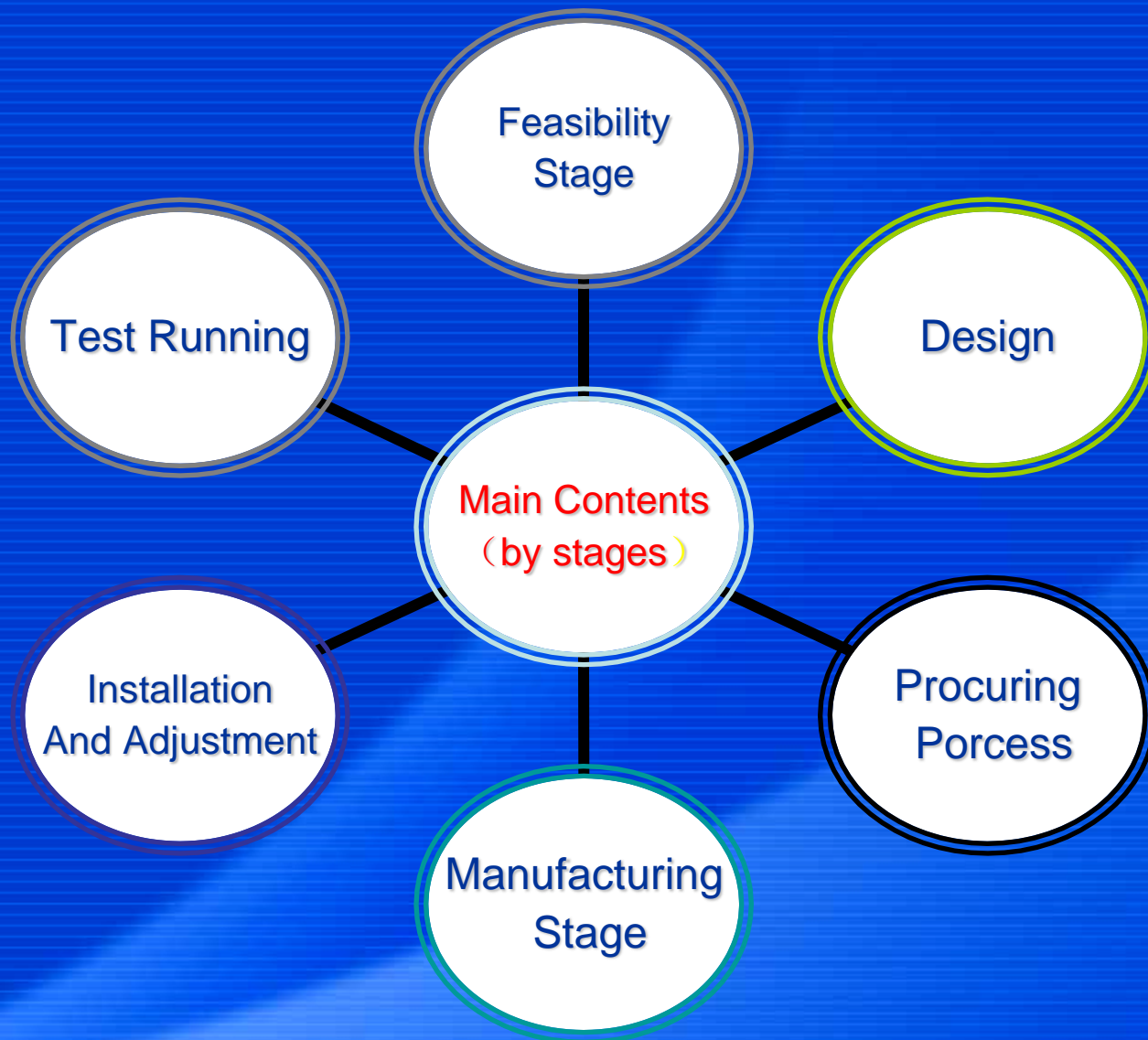


# About CAPEC

- **Development goals:** Professionalism, Standardization, Internationalization
- **Concept:** Plant engineering consulting refers to the management services and professional supervision activities carried out by plant engineering consulting entities, who are entrusted by the clients, to ensure the quality, investment efficiency, progress and safety of industrial plants in accordance with relevant laws and regulations, mandatory standards and procurement contracts, etc., including but not limited to supervision and management over performance of contractual obligations, as well as supervision and management over design, procurement, manufacturing, installation and commission processes of industrial plants.



# Main Contents



# About CAPEC

- **Basic functions:**

1. To publicize and implement laws and regulations, policies and guidelines in plant engineering consulting.
2. To reflect industry demands and provide policy advices.
3. To organize technical research and develop industry standards.
4. To provide services and technical support to government and the industry.
5. To organize and promote industry talent development.
6. To carry out international technological exchange and cooperation.
7. To develop industrial statistics and enhance industrial self-regulation.



# About CAPEC

## Organizational Structure





# About CAPEC

## Technical Committees

1. Working Committee on Price
2. Working Committee on Contract
3. China Youth Plant Consulting Engineers Academic Committee
4. Working Committee on Registered Plant Engineering Consultants
5. Working Committee on Information and Publicity
6. Low Carbon Economy Committee



# About CAPEC

## Industrial Service Scope

Plant engineering consulting service covers over 20 industrial sectors including: electric power, petrochemical, metallurgy, coal, ports, environmental protection, urban rail transport, etc. And it often involves key projects which are closely related to the national economic development, social welfare, and huge investments, such as “the Three Gorges Project”, “West-East Natural Gas Transmission Project”, nuclear power projects, and urban rail projects, etc.





# About CAPEC

Electric Power Industry - Generator Unit Stator



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Nuclear Power Industry - Nuclear reactor pressure vessel





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Petrochemical Industry-Ethylbenzene hydroperoxide concentration



华夏监理



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Urban Rail Industry - Zhuzhou-Wuhan high speed rail





# About CAPEC

## Textbooks and magazine



# About CAPEC

## International Exchange and Cooperation

CAPEC has made considerable achievements in international exchange and cooperation since its inception. It has successfully completed more than 20 visits to over 30 countries in Africa, Oceania, America, Asia, and Europe and received over 30 receptions. CAPEC has signed MOU with ten overseas associations and international organizations and has established strong connections with FIDIC, UNIDO, and World Federation of Engineering Organizations (WFEO) and has introduced over 40 experts person-time. CAPEC selected experts to speak on international conferences such as “Euro-Asia Economic Forum” 、 “Global Infrastructure Basel Financing Summit”、 “UK Eco-city Symposium”. Through these seminars and conferences, CAPEC’s voices have been heard globally. Meantime, CAPEC has gained brand recognition through International Cooperation Forum. And to serve low carbon economy and green development, CAPEC has established low-carbon economy working committee (LCEC) and has carried out a series of domestic and overseas research projects.

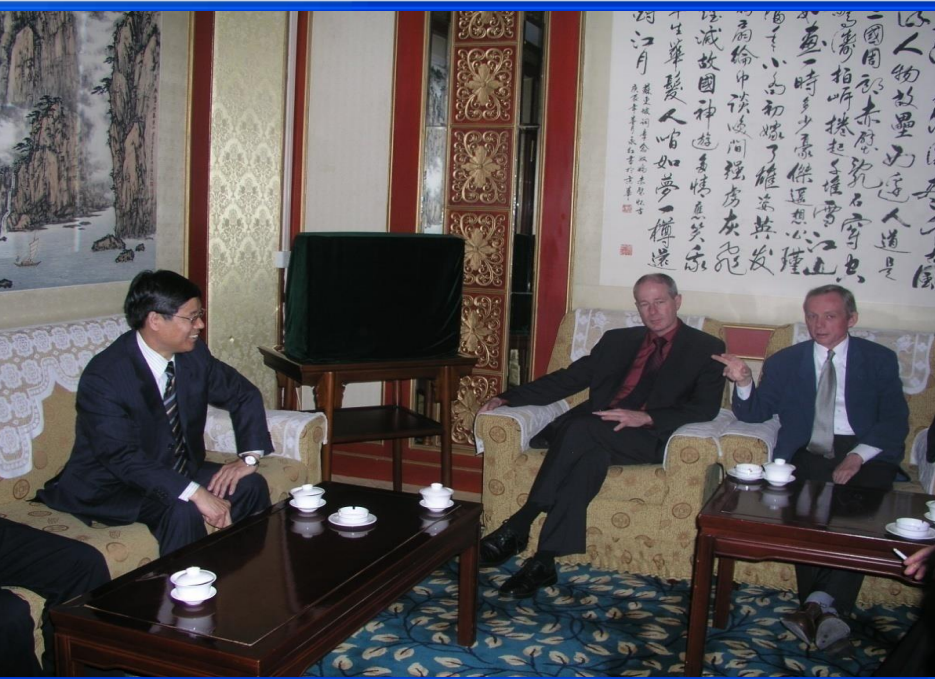




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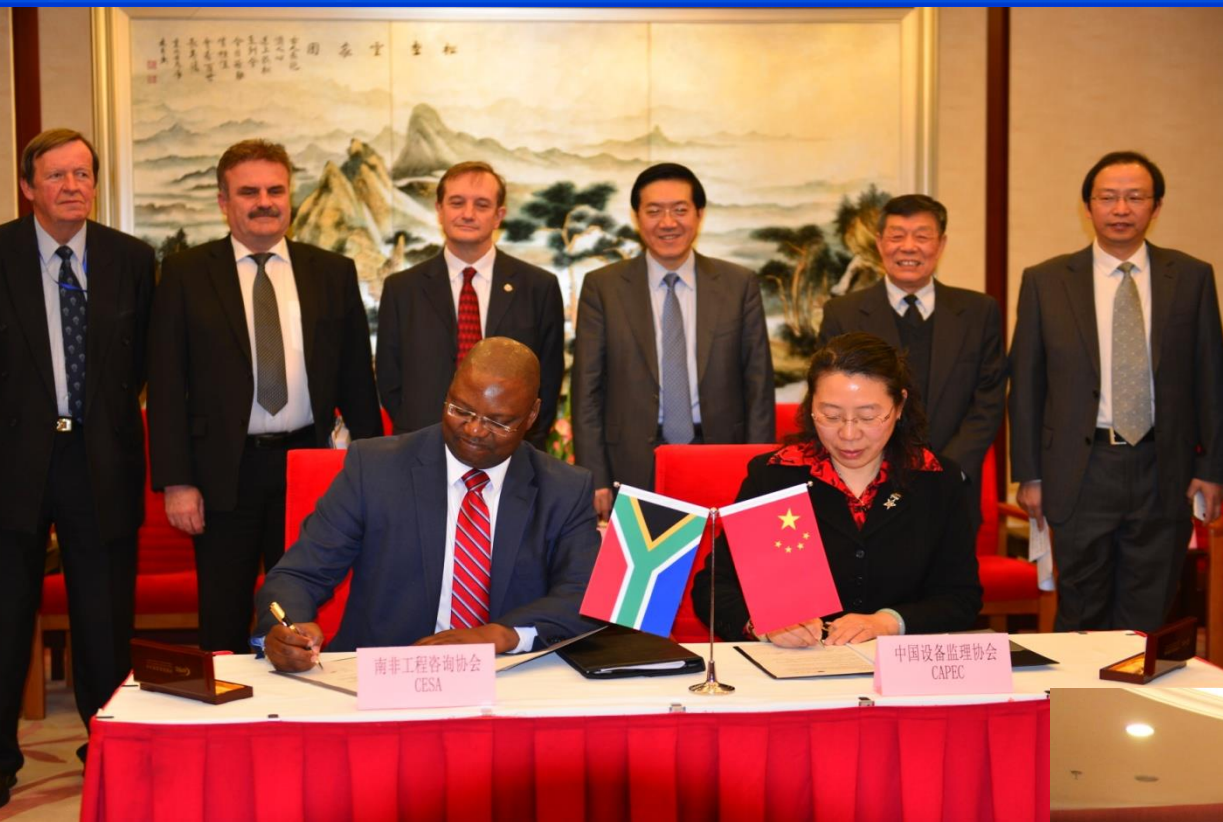


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## Low-carbon Economy Committee (LCEC)

In order to utilize CAPEC intelligent advantages and to serve green economy, low-carbon and sustainable development, CAPEC established low-carbon economy committee (LCEC), which is composed by 30 experts, scholars and technicians. The LCEC's major responsibilities include: To investigate domestic and international guidelines, policies, laws and regulations on low carbon economy development; to participate in plant engineering consulting low-carbon development research project, and to spread the related technologies and applications; to promote low-carbon economy new methods, new technologies, and new equipment for the plant engineering consulting; and to establish low carbon economy evaluation index system and appraisal system. Since its establishment, LCEC has set up information communication mechanism, regular meeting mechanism. Moreover, LCEC has carried out a series of domestic and international research projects including "Demonstration Study on the Evaluation System on Low-carbon Measures for City Operation Supporting System" approved by the Ministry of Science and Technology; Sino-Swiss Low-carbon Cities China (LCCC) Project with the Swiss Agency for Development and Cooperation, and A Renewable Energy Industry Cluster Case Study cooperated with ICLEI..





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# Thank you!

Contact info

Tel: +86-10-64201477

Fax: +86-10-64216385

Email: [zhangruijie@capec.org.cn](mailto:zhangruijie@capec.org.cn)

