



# Energy Audit & Consultancy

## **INERGI – Your Best Partner**

INERGI adopts a "partnership" approach which seeks to create a win-win situation to all stakeholders. Through consultation, customers will define the scope and structure of the services according to their objectives and requirements.

The scope and complexity of the service can be expanded to multi-tier packages. A flexible "solution approach" process provides **modular options** to customers.

This partnership approach enables our customers in appropriately matching in-house resources with the resources that INERGI can provide so as to **minimize cost** and, at the same time achieve desirable performance and time targets.

## **Basic steps to our complete "solution approach"**






1. **Preliminary evaluation** – feasibility study which serves to identify and define opportunities for energy saving or pollution prevention
2. **Detailed audit** – comprehensive study which serves to identify all pragmatic and viable solutions
3. **Project recommendation and selection**
4. **Project implementation and management**
5. **Savings realization solution performance monitoring**
6. **Periodic review and monitoring**

## Broad Services Scope

Stage	Title	Content	Deliverables
1	Energy Audit (Preliminary)	Data Research & Evaluation	Develop Energy Consumption baseline
2	Energy Audit (Detailed)	Above + Site Inspection & Measurement	Develop Energy Management Opportunities (EMO)
3	EMO Feasibility Study	Above + Cost/Savings Analysis & Life Cycle Analysis	Develop & Prioritize EMO Solutions
4	EMO Design	Above + Detail EMO Design	EMO detailed cost & budgeting
5	EMO Tender Management	Tender documents preparation	Identify and qualifying contractors
6	Energy Management Process (EMP) Evaluation	EMP check and rationalization	EMP Improvements
7	EMP Audit	Audit of EMP implementation	EMP process audit & upgrade

## Selected Project Results

Our company has successfully secured the following projects:

Year	Picture	Customer	Location	Type of Building	Annual Electricity Cost Savings
2007		Hong Kong IT Flagship	Hong Kong	Commercial and shopping Arcade	In Progress
2007		Mega resort	Macau	Hotel, casino and resort	In Progress
2007		AIA Tower	Macau	Commercial	37%
2006		Hutchison Harbour Ring Limited	Guangdong, China	Industrial	In Progress
2005		Citicorp Centre	Hong Kong	Commercial	15%

## Systematic Diagnosis for Energy Solutions

With complementary capabilities in energy management and innovative engineering expertise, INERGI provides a comprehensive range of services to realize customers' cost-effective energy savings objectives.

INERGI conducts detailed systematic diagnosis and in-depth analysis of facilities by using appropriate energy measuring instrument, simulation software and / or other sophisticated methodology which includes:

- ❖ Chiller Plant Upgrade Feasibility Study
- ❖ Heat Pump Application Feasibility Study
- ❖ Heat Recovery System Design Analysis
- ❖ Energy Monitoring System
- ❖ Broader Application of Water-Cooled Air-conditioning System
- ❖ Boiler Plant & Fuel Efficiency Study
- ❖ Lighting Installation Upgrade
- ❖ Electrical Distribution System Study
- ❖ Energy Simulation Study
- ❖ Efficient Dehumidification

## Measurement & Verification Services

INERGI partners with reputable international accreditation institute to measure and verify the baseline of energy consumption and savings undertaken in your operations. Carbon emission baseline and reduction can be certified as a proof of your achievement in the contribution to saving the environment.

## Performance-based Contracting

With no initial capital investment required, our performance-based contracting, "Save N Share" program, allows customers immediate realization of energy saving benefits upon completion of retrofit hence lowering operational cost. The program is a simple, sustainable and cost effective energy saving solution.





*Innovation from*



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