



*A Vietnamese  
Danish consulting  
company in Energy,  
Climate Change  
and Environment*

# RCEE – NIRAS NEWS

Issue : November, 12<sup>th</sup> , 2012

**Dear colleagues,**

This biannual newsletter provides you some updates of our company's operation in the first half of 2012.

Though it is difficult time for global and local economy and enterprises, with raising expenses and cut-down budget, we still have achieved several accomplishments.

In 2012, We also develop 2 new services Energy Management (EMS) and Civil Works & Infrastructure (INFA).

EMS is a young division but our EnAudit successfully builds up a strong energy auditors team with experienced experts and professors. Two auditors among them got official qualification certificate of Ministry of Industry and Trade. There are 09 audits contracted from early 2012 till now, and several new opportunities for a developing service. Our EnToolkit is designed and developed under the framework of ASEAN Certified Energy Management System. It has conducted 17 training courses and certified 274 energy managers in Vietnam under the framework of ASEAN Certified Energy Management System. For EnSupport, RCEE is developing this services to help customer set up energy management system following ISO50001 or AEMAS.

INFA is our new investment to do out-source engineering service to NIRAS. It adds more to our services list, and we believe product diversity will bring advantages and drive us forwards sustainably.

**Regards,**

Nguyen Tuan Anh  
Managing Director



### Energy Efficiency solutions in agricultural irrigation and drainage systems in Vietnam (2011 – 2012)

With the aim of encouraging the use of energy efficient equipment in order to raise agricultural productivity, International Cooperation South East Asia and the Ministry of Industry and Trade have financed RCEE to implement the project: "Energy efficiency for agricultural pumps".

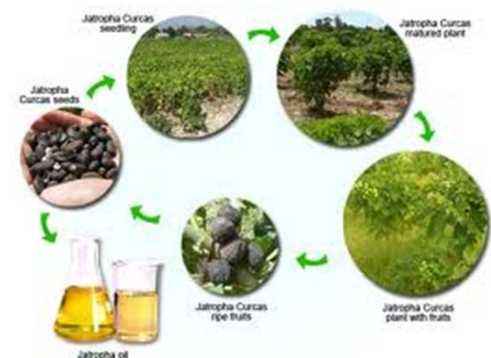


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The project is expected to improve people's lives, reduce the pressure on the national electricity grid, contributing to sustainable development of the country. Within the project, a survey among agricultural pumping systems throughout the country is carried out in order to get a panorama of the current irrigation and drainage pumping stations in Vietnam as well as to recognize the potential energy efficiency opportunities in this sector and to recommend solutions to improve energy efficiency and reduce negative impacts of using fossil fuel driven pumps. Pilot Energy Efficiency Projects shall be implemented at some selected pumping systems and workshops shall be organized for project results dissemination.

### A Study on potential Jatropha plantation and biofuel development in Vietnam (2012)

During the period from May to August 2012, RCEE –NIRAS has supported Singaporean partner, Agrinergy Pte Ltd., with a market survey on Jatropha plantation development in Vietnam. Within the framework of this cooperation, the consultants team has developed a database of Jatropha projects and also assessed the situation and potential of Jatropha plantation development in Vietnam besides a list of potential Vietnamese partners for future cooperation for Jatropha projects.



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*Energy Efficiency★ Renewable Energy★ Climate Change*

## Support for the National Target Program on Climate Change (NTPCC) with a Focus on Energy and Transport (2012-2014)

The project funded by the Nordic Development Fund through the Asian Development Bank (ADB) at a cost of approximately \$ 2.5 million USD. The project is lead by NIRAS Demark in association with local partners, RCEE- NIRAS and ICEM.

This is the ADB flagship for support to climate change in South East Asia and one of the first larger projects that integrate mitigation and adaptation.



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The project aims to contribute to the effective implementation of detailed NTPCC Action Plans by Ministry of Industry and Trade, Ministry of

Transport, Thanh Hoa Province, and Ho Chi Minh and Da Nang cities, to reduce the growth rate of GHG emissions from energy and transport sectors by 2020 and reduce infrastructure and productivity losses in the urban sector . The Project will also aim to increase the capacity of the target ministries, province, and cities to design and implement climate change adaptation and mitigation response measures.

## Resource efficiency Benmarching survey for Pulp and Paper sector in Vietnam (2011-2012)

In the framework of the project: Resource efficiency benmarching survey for Pulp and Paper sector funded by IFC and implemented by the consortium of Exima (Denmark) and Epro and RCEE NIRAS (Vietnam), the consultant team has carried out surveys with more than 100 pulp and paper enterprises, including 74 facilities with the capacity of from 1,000 ton/year and 30 enterprises with the capacity of 300-1000 tons/year located in Phong Khe village, Vietnam.



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The performance survey has highlighted resource efficiency potential, trends over technology, product type and production volumes, as well as existing gaps compared to the international sector benchmarks. The key findings of the survey have been compiled and consolidated according to two groups of industries.

### Consultancy services for Fund Management for the Public Participation and Accountability Facilitation Fund (PARAFF), Good Governance and Public Administration Programme II (GOPA II), Vietnam (2012 – 2015)

In June 2012, NIRAS (Denmark) won the bid: Consultancy services for Fund Management for the Public Participation and Accountability Facilitation Fund, Good Governance and Public Administration Programme II (GOPA II), Vietnam. The project is financed by Ministry of Foreign Affairs of Denmark and approved by Danish International Development Agency, aiming to manage and administer grants in support to administrative, technical and



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capacity development activities, the latter through the Capacity Building Facility.

The programme is expected to promote the development of democratic governance, public management and accountability in Vietnam. The project will be implemented within 4 year from 2012. In Vietnam, RCEE - NIRAS supports the project with administration management and local project experts.

### CSU division is pleased to announce their good news :

1. A short-term consultancy on development of training program and materials on energy auditing for the beverage and textile sectors. We cooperate with VESCO to provide the services. The project is funded by Danida (Denmark) with the total contract value of approximately 80,000 USD.
2. Establishment of an Energy Savings Scheme in the Steel Sector in Vietnam, a 02 - year project sponsored by AFD (France). The project is led by Consultants of Technology Company (Thailand). RCEE - NIRAS acts as local consultant with our local portion worth approximately 70,000USD.
3. Consulting services for Innovative Partnership Programme, an ODA project co-funded by Ministry of Foreign Affairs Finland and Government of Vietnam aiming to improve the National Innovative System in Vietnam. RCEE – NIRAS provide a short-termed consultancy service to improve the administrative and financial management procedures of the programme.

*EnToolkits ★ EnAudits ★ EnSupport*

*17 training courses  
&  
200 energy  
managers certificate*

**EnToolkit:** Launching the Energy Management Program the industry and non industry sectors, RCEE has started by AEMAS program, a monthly course, in both northern and southern Vietnam. More 150 enterprises has been identified as participants in these courses. From September 11<sup>th</sup>, 2011, one course per each month was organized steady. This pilot training program is free and certify for qualified trainers.

We have conducted 17 training courses for 274 trainees and certify 200 energy managers in Vietnam.

## The AEMAS Launching Conference was organized in Ho Chi Minh City



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The AEMAS Launching Conference was organized in Ho Chi Minh city on 22nd June 2012 with total 85 participants coming from government offices, local enterprises. Especially, AEMAS welcomed Mr. Phuong Hoang Kim , Director, Energy Efficiency and Conservation Office Science and Technology Department, General Directorate of Energy, Ministry of Trade and Industry of Vietnam, the participation of representatives from ACE - the regional coordinating body, and Mr. Nguyen Tuan Anh – the representative from RCEE which acts as the national coordinator.

Among the participants, there are 14 from Industry and Trade Department of Southern provinces and guests from Energy Center of Hochiminh City.

Participants have been really interested in Asean Energy Management Scheme (AEMAS) which could provide the real benefits in saving energy, and cost. Some famous brand names in the list are Vinamilk, Nike, Pepsi, Cholimex, Kumho, Dong Quang Textiles.

## EnAudit:

*9 projects  
contracted from  
early 2012 until  
now*

EnAudit as a new service has achieved significant accomplishments with total 09 audits contracted from early 2012 till now.

We are implementing Support Program of VNEEP to partly fund the costs of energy audit for enterprises in Vietnam.

## Highlights Projects:

1. Song Duong Tissue Paper Company
2. Vietnam Certification Center (Quacert)
3. Mascot International Vietnam Ltd
4. Hatien 1 Cement SJC - Binh Phuoc Factory
5. Sai Gon Paper Corp
6. Crown Beverage Cans Hanoi Ltd
7. Calofic (Cai Lan Oils & Fats Industries Co.,Ltd)
8. Goshi-Thanglong Auto-Parts Co., Ltd
9. Bim Son cement JSC

## *EnToolkits ★ EnAudits ★ EnSupport*



Goshi-Thanglong Co., Ltd



Calofic Co.,Ltd



Bim Son cement JSC



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## EnSupport:

RCEE are developing this services to help customers set up energy management system following ISO50001 or AEMAS. Customers who have attended the AEMAS course for energy manager, can apply to certify AEMAS Gold Standard for their corporation. Procedure can be referred in RCEE-NIRAS website.



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In the last 6 months of 2012, CDM division has made 2 projects registered and increases the total registered projects to 6. For the time being, another 7 projects are under international validation process.

RCEE-NIRAS Joint Stock Company has co-operated with 16 CDM projects owners (Ta Niet, Su Pan 2, H'Mun, Ia Puch 3, Dasiat, Ayun Thuong 1A, Minh Luong, Ta Thang, Se San 4A, Dak Glun, Nam Pung, Seo Chong Ho, Ban Ra, Dak Mek 3, Holcim and Nam Ly 1) to prepare and submit the reports on time to DNA Vietnam.

### Su Pan 2 hydropower project – reached the stage verification

- + **Owner:** Song Da – Hoang Lien Hydropower Jsc
- + **CER buyer:** Japan Carbon Finance



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Su Pan 2 Hydropower Plant is located in Ban Ho village, Su Pan Commune, Sa Pa District, Lao Cai Province. The project will install 03 units with total capacity of 34.5MW, the annual power supplied to the Nation grid is estimated approximately 138,658MWh

Su Pan 2 HPP satisfies all the CDM requirements of UNFCCC, host country's criteria relating to sustainable development and registered with EB on 27/11/2010 (Ref. No. 3745). CDM project activity is estimated to reduce about 82,363 tons of CO<sub>2</sub> annually into the atmosphere.

This project reached the 1<sup>st</sup> verification some months ago and will be on the way to the CER issuance soon next year. At this moment, RCEE-NIRAS JSC, DOE and JCF are preparing final verification report and planning for the 2<sup>nd</sup> verification early next year, 2013.

We are sure that Su Pan 2 HPP will have a good final report that can move forwards to the CER issuance next year and delivery to JCF timely as well.



Vipperødvej Bridge (NIRAS 's Elverdam-Regstrup Project)

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In April, 2012 RCEE-NIRAS has started collaboration with NIRAS Denmark to build up engineering capability in Hanoi for infrastructure engineering outsourcing service. The aim of the cooperation is that INFA will start to outsource the detailed engineering works of civil engineering to Vietnam. NIRAS Denmark will train, coordinate Vietnamese engineers to participate in their engineering work.

NIRAS Consult has a very strong, and qualified team of consultants. They carry out projects in all areas of industrial infrastructure Road engineering, Traffic engineering, Means of access, Planning, Managing green areas, Draining water, Waste-water management, Site development, Protective measures.....They will provide us access to the infrastructure market, and strengthen our technical respect. This will also provide new opportunities with our existing clients.





*Human Resource Updates*

General News

1. We provided apprenticeship for 2 trainees in Energy Efficiencies. In the job training, we trained them skills of telesales, customer care, energy report writing. We offered them 4 direct meetings with our energy professors and clients, which helped them get a practical view of energy efficiency field.  
We also had 1 trainee in project administration and management. She joined as an CSU's interne coordinator in our selected works and projects such as Jatropa Survey, Resource Efficiency Benchmarking Survey Pulp and Paper Vietnam, Consulting services for water supply and waste consultancy, Biofuel application for Vietnam railway.
2. Rcee-Niras is glad to become an official sponsor for Hanoi Hash House Harriers organizer's Charity Run and Walk event. The event is to support environment protection.

Human Resources Updates:

1. In the first half 2012, We congratulate Mr Nguyen Thanh Ha, Pham Ngoc Dung, who archived Energy Auditor Certificate of Ministry of Industry and Trade.
2. Luong Thai Son, CDM project developer is qualified as ADB consultant. He is now enjoying a 6-month training course in Germany starting from September 2012 under a master course on Water Management.
3. We also welcome Binh, Huong, Chung and Khanh join together in our team. RCEE-NIRAS delegated Chung and Binh to Niras Denmark for on-job training in 3 months as resources for civil engineering activities.



**Nguyen Thanh Binh (PHD) / INFA Project Engineer**

Coordinate/supervise of the implementation of engineering works between NIRAS and its subcontractors in Vietnam.

- + Establish/Check design drawings, calculations sheets.
- + Prepare reports, technical specifications, bill of quantities and cost estimation.



**Nguyen Duc Chung (BSc) / INFA Project Engineer**

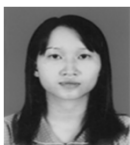
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**Ha Minh Khanh ( BA) / NTP Project Officer**

Project Document Management (upload, organize) of all administrative documents.  
Financial management of the project. Logistical Assistance



**Ngo Thu Huong ( BA)/ RCEE-NIRAS Admin Officer**  
Office Administration

