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### I- Who are we?

The Lebanese Cleaner Production Centre (LCPC) is established by the United Nations Industrial Development Organisation (UNIDO) with funding from the Austrian Government, the Ministry of Environment and the Ministry of Industry in Lebanon. The Centre is located at the Industrial Research Institute (IRI) in Hadath- Baabda.

### II- Major activities accomplished from January 2009 to June 2009

After the successes achieved in previous industrial sectors in Lebanon, LCPC has recently launched the Cleaner Production (CP) concept in the Textile Sector.

An introductory meeting, called Initial Seminar, was organised to which all the Small and Medium Enterprises (SME's) under the Textile Sector in Lebanon were invited and introduced to the concept and methodologies of CP. After the meeting the different enterprises were evaluated according to preset criteria and four SME's were selected to undertake the in-plant assessments. Each in-plant assessment entails site visits alternating with workshops.



### Initial Seminar for the Textile Sector in Lebanon



Photo 1 View of the audience

The Initial Seminar is the first step in the In-plant Demonstration phase in Industrial sector of Textile which targeted the managers and owners of SME's under this sector. It took place on the 30<sup>th</sup> of April 2009 at the IRI premises.



Photo 2 Keynote speakers at the Initial Seminar

The keynote speakers in the Seminar were the LCPC Director, Dr. Ali Yaacoub, the President of the Syndicate of Textile in Lebanon, Mr. Sleiman Khattar, the IRI Director General, Dr. Bassam Frenn, the UNIDO Regional Representative Mr. Khaled El Mekwad, and the Director General of the Ministry of Industry, Mr. Sami Assi representing H.E. Mr. Ghazi Zeaiter the Minister of Industry.

Dr. Yaacoub gave a speech where he highlighted the importance of developing the industrial sector in Lebanon under the changing international economic circumstances. He called for the revival of the Lebanese Industry through improving its quality and developing its processes. Dr. Yaacoub stressed that this could be accomplished through the application of Cleaner Production Processes known internationally in order to be better equipped in the face of the challenges of international conventions and better exports.

Then Dr. Yaacoub declared that the Center through UNIDO, Ministry of Industry and the Industrial Research Institute (IRI) with the assistance and funding of the Austrian Government would choose 4 SME's among the attending ones in order to improve them and assist them for free to introduce cleaner production.

LCPC Annual Report 2007 & 2008 along with the LCPC CD Rom were distributed to all the participants in the seminar.



## Site visits to the SMEs and signing Contract Between LCPC and selected SME's under the Textile Sector in Lebanon

After the selection of the SME's that would undertake the In-plant demonstration phase for the textile sector with the LCPC, the first site visit took place to collect primary data and sign the binding contract between LCPC and each of the selected SME's.

Four SME's were selected to undertake the In-plant demonstration phase for the Textile sector in Lebanon with the LCPC.

The Four selected SME's are:

- AI Bodon Group Company – Tripoli
- Baycob S.A.L – Sin El Fil
- Trico-Orient Star – Haret Hreik
- Rotex – Beirut

The following are photos took when signing contracts and during the LCPC technical visits to the industries as part of the in-plant demonstration phase for the Textile Sector.



Photo 3 & 4  
TRICO-ORIENT STAR



Photo 5 & 6  
AI BODON Group



Photo 7 & 8  
BAYCOP S.A.L



Photo 9 & 10 ROTEX

## Awareness seminars and Training sessions

As part of the awareness campaign raised by the LCPC to spread the word about the Cleaner Production concept and its application in Lebanon, the educational sector constitutes an essential and important sector to spread the word among all students.

### Balamand University students Visit to LCPC premises.

Balamand University students – Faculty of Public Health Sciences, taking a course on Clean Technology and Pollution accompanied with Dr. Berj Hatjian, DG of MoE visit LCPC and IRI premises on Saturday 4<sup>th</sup> of April 2009.



**Photo 11, 12** Balamand students at the LCPC & IRI premises

Students were introduced to LCPC and environmental protection and familiarised with the concept and methodology of CP. In addition, the students discussed and evaluated with LCPC team the role they could play in the dissemination and application of CP in Lebanon. The visit also included a guided visit to the laboratories available at IRI to introduce the students to the sampling techniques and metrology.



**Photo 13** Students from the USJ during the awareness session organised by LCPC.

### Awareness presentation to the Université St. Joseph (USJ) students

The LCPC director held an awareness sessions to the USJ Masters Students in Industrial Technology. These sessions were held on the 16<sup>th</sup> February 2009.

### LCPC presentation to Qatar Science & Technology Park – QSTP

The LCPC director held an introductory presentation about LCPC establishment, Management, Activities, Achievements and Upcoming events to QSTP Qatar during their visit to IRI on 6<sup>th</sup> April 2009



**Photo 14** meeting with QSTP representative

## III- LCPC participation in national and international events

In the context of sharing expertises and experiences from one side, and enhancing the capacity building of the LCPC team from the other side, the LCPC has participated in several national and international events including exhibitions, conferences, trainings and workshops.

A list of seminars and conferences held on the national and international level were attended by LCPC team in order to:

- Spread the word about the CP concept and its application in Lebanon
- Share and exchange experiences & expertises
- Enhance capacity building of the LCPC staff

**The seminars' list is as follows:**

- GHG Inventory Stakeholder Review Meeting, Beirut - Lebanon, January 2009
- Technical Mission with UNIDO and UNEP to Assist the United Arab Emirates, Federal Environmental Agency (FEA), Ministry of Environment and Agriculture in Setting-Up National Cleaner Production Centre (NCPC). Abu Dhabi – UEA, January 2009
- 3<sup>rd</sup> Arab Cleaner Production Workshop. Amman – Jordan, February 2009



- Seawater Intrusion in Greater Beirut, Current Situation & Correlation to Climate Change. Beirut – Lebanon, February 2009
- E-waste Management Forum – circulating success. Cairo – Egypt, February 2009



- Clean Development Mechanism: Its Opportunities and Benefits. Beirut – Lebanon, February 2009

•Développement et la Construction Parasismique – Adaptation des Normes Internationales au Contexte Libanais , March 2009

•Regional Forum: Investment Climate in the Southern Mediterranean Region and the Middle East. Rabat – Morocco, March 2009



•Medibtikar Technical Assistance to IRI. Hadath – Lebanon, March 2009



•Energy Audit Applications and Methodologies By The International Institute for Energy Conservation (IICE) . Beirut – Lebanon, April 2009

•Toward implementation of Sustainable Public Procurement in the Arab Region. Cairo – Egypt, May 2009

•CDM Capacity Development Workshop. Beirut – Lebanon, May 2009

•Global Forum On Green Industry Initiative “Competitiveness and Innovation through Green Products and Processes”. Cairo – Egypt, May 2009



•Workshop on Energy Audit in Commercial Buildings : Cases from Lebanon & Tunisia. Beirut – Lebanon, June 2009

•Project Lebanon 2009, June 2009

•Support and develop the Financial Directorate of the Lebanon Electricity. Beirut – Lebanon, June 2009

•Promoting Sustainable Development through the Banking sector . Beirut – Lebanon, June 2009

## IV- Our future plans

- Pursue the in- plant demonstration phase for the Textile Sector
- Introduce CP in the Printing Sector in Lebanon
- Train the Trainee activities on CP
- Organize a series of seminars with universities in the second part of year 2009

## V- How to find us

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