



برنامج رعاية انجازات البحوث الصناعية اللبنانية
Lebanese Industrial Research Achievements - program



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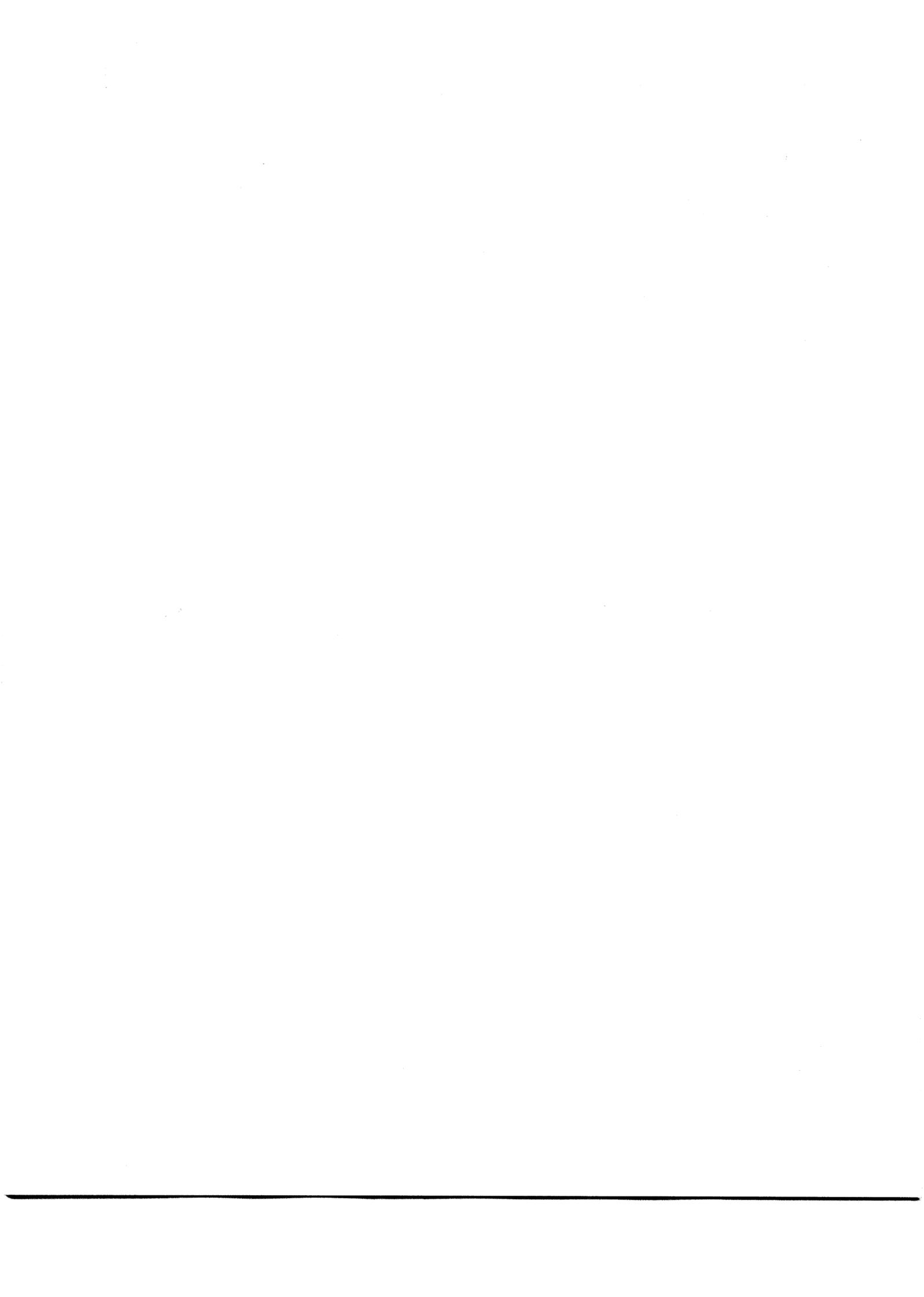
Forum on Capacity Building through Technology
Transfer and Networking
Beirut, 11-12 March 2004

**THE EVOLUTION OF TECHNOLOGY AND INNOVATION
IN THE INDUSTRIAL SECTOR**

By

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Vice-President of UMCE

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Capacity Building Through Technology Transfer and Networking

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(Union of Mediterranean Confederations of
Enterprises)



Innovation in the Past

- ✿ Technology Driven
- ✿ Slow
- ✿ “One industry-one technology”
- ✿ Limited number of industries innovated
- ✿ Large long-term oriented, even basic research labs in key industries
- ✿ Rigid technology transfer approaches: e.g. large applied research organizations

Innovation Now

- ✿ More market driven
- ✿ More rapid and intense
- ✿ More closely linked to science progress
- ✿ More widely spread through economy
- ✿ “Multi-technology” based
- ✿ Network driven

Lebanon ICT scores in the Region are still low but the Potential to grow exists

Country / Activity	Policies and Strategies	Legal and Regulatory	Infrastructure	Capacity Building	Sector Developpt.	e-Gov.	e-Learning	e-Commerce	e-Health	Country Performance (out of 36)
UAE	3	3	4	3	3	3	3	3	3	28
Jordan	3	3	2	3	2	3	3	2	2	23
Bahrain	2	2	3	2	1	3	3	2	2	20
Egypt	2	2	2	3	2	2	2	2	2	19
Kuwait	2	2	2	2	1	2	3	3	2	19
Lebanon	1	2	2	2	2	3	2	2	2	18
Oman	2	2	2	2	1	2	2	3	2	18
Qatar	2	2	3	2	1	2	1	2	2	17
Saudi Arabia	1	1	2	2	2	2	2	3	2	17
Syria	1	1	1	2	1	2	2	2	2	14
Palestine	1	1	1	2	1	1	1	1	1	10
Yemen	1	1	1	2	1	1	1	1	1	10
Iraq	1	1	1	1	1	1	1	1	1	9
ICT Area Maturity out of 52	22	23	26	28	19	27	26	27	24	

Source: Regional profile of the Information Society in Western Asia, ESCWA report.
Grades are calculated on a scale of 1 to 4, 1 being the lowest and 4 the highest.

Internet Subscribers

REGIONAL BREAKDOWN OF INTERNET SUBSCRIBERS AND USERS					
Rank	Country	No of subscribers	No of users per account	No of users	% of population
1	UAE	220,000	3	660,000	24.44
2	Bahrain	35,000	3	105,000	16.67
3	Qatar	25,000	3	75,000	10.67
4	Kuwait	55,000	3	165,000	8.25
5	Lebanon	75,000	3.5	262,000	6.56
6	Jordan	35,000	6*	210,000	4.57
7	Palestine	12,000	5	60,000	3.53
8	Oman	28,000	3	84,000	3.36
9	Tunisia	70,000	4	280,000	2.89
10	Saudi Arabia	190,000	3	570,000	2.59
11	Egypt	70,000	8**	560,000	0.82
12	Morocco	55,000	4	220,000	0.73
13	Algeria	45,000	4	180,000	0.6
14	Libya	4,000	5	20,000	0.4
15	Syria	8,000	4	32,000	0.18
16	Yemen	3,500	4	14,000	0.08
17	Sudan	7,000	4	28,000	0.08
18	Iraq	500	25***	12,500	0.06
	Total	938,000		3,538,000	1.29

Source: Ajeeb Reseach Centers (2001)

Internet Fees

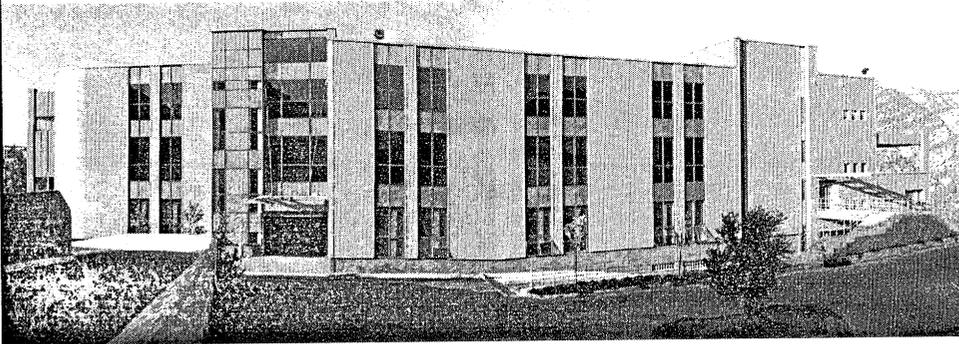
INTERNET FEES	
	Fee/month (LL)
Up to 25 hours	LL19,000
25-55 hours	LL39,000
55-100 hours	LL48,000
100-200 hours	LL153,000
200-300 hours	LL396,000
More than 300 hours	LL396,000 + the normal minute price for the supplementary duration

Source: OGERO

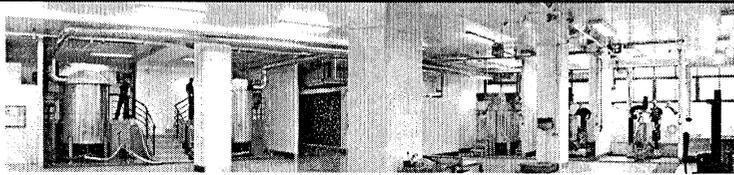
Our Industries



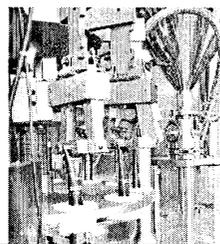
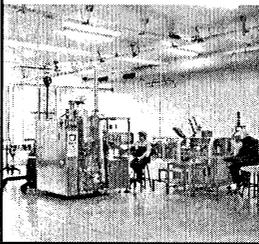
Cosmaline Industries



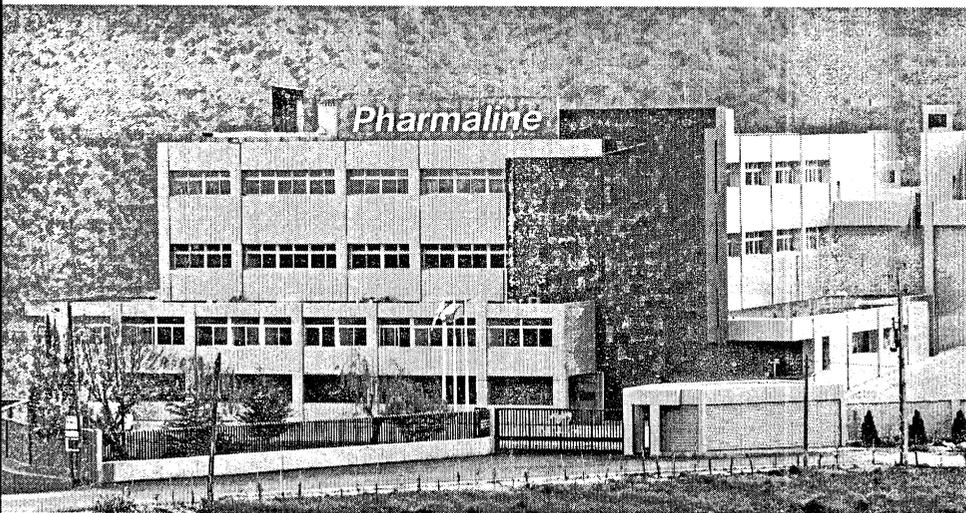
Production



Filling

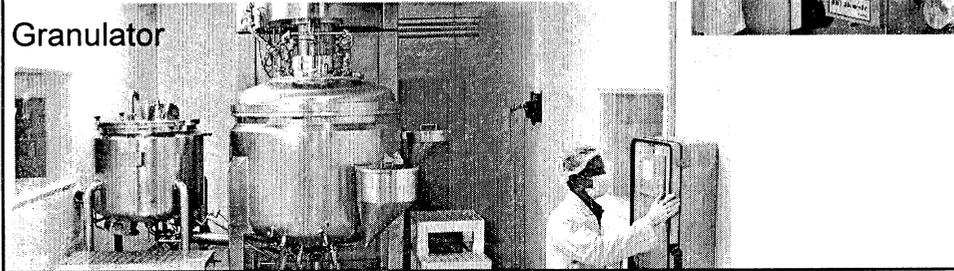
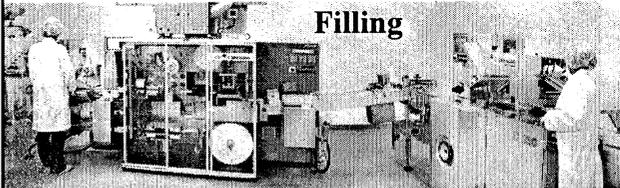


Pharmaline

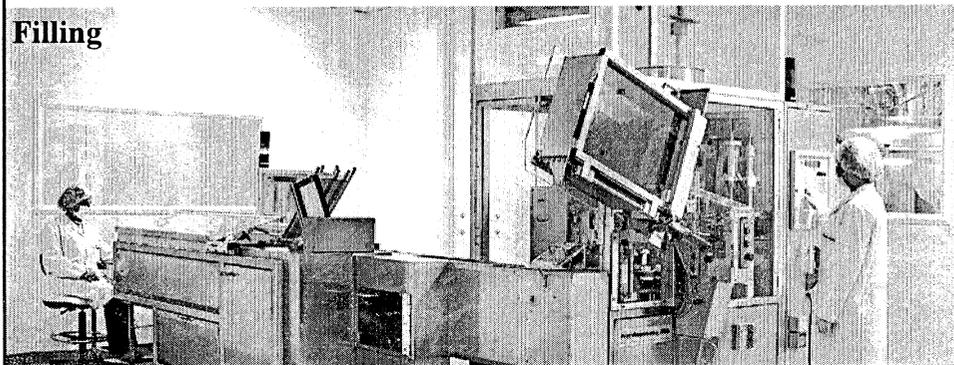
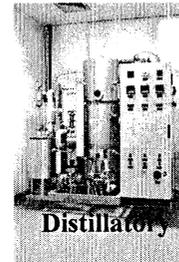


We utilize a new generation of computerized
Equipment/Machinery for both the
Solid division dosage forms

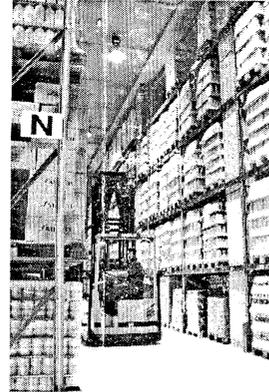
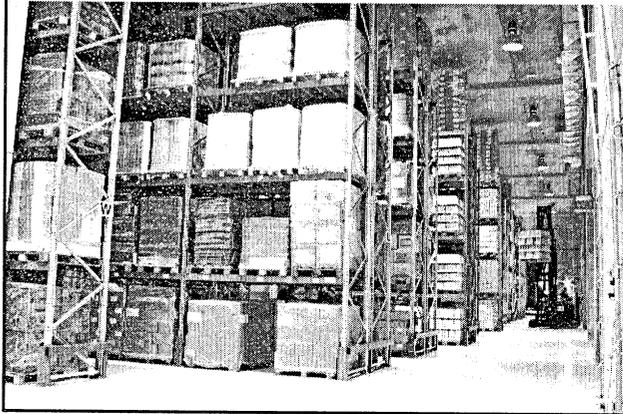
Tablets - Capsules - Granules - Effervescent Tabs



And the Liquid division dosage forms:
Ointments - Creams - Gels - Syrups - Suspensions
Shampoos - Lotions



Warehousing



Making a Difference

"It is not what you eat that counts; it is what you digest;

It is not what you read; it is what you absorb;

It is not what you say; it is what people hear and understand;

It is not how rich you are; it is how you use your wealth ..."

The same can be applied for emerging information age:

"It is not how many ICT assets society possesses that counts;
It is how they are applied to benefit society."

