

Echem

EGYPTIAN PETROCHEMICALS HOLDING CO.

LINK

your eye on events

NOVEMBER 2019

VALUE ADDED INDUSTRIES FOR FUTURE GENERATIONS



OVERTURE



In Egypt, petrochemical plants & oil refineries have developed for many years in close cooperation with an increasing focus on maximizing the synergies between the two operations targeting added value.

Whilst, the pace of development of new technologies is unlikely to slowdown, there are now developments and new thinking in the identification of advantaged feed stock that have the potential to alter the structure of petrochemical industry in certain geographies.

In this regard, and well into its second decade, ECHEM has reviewed its strategy to embrace new international strategies and apply it not only in its green field projects but also through developing existing facilities to maximize economic returns.

During the fiscal year 2018/2019, our projects has witnessed a remarkable development, which was highlighted in the establishment of WOTECH, the first Egyptian company to produce medium density fiber board based on rice straw. In addition, 5 petrochemical projects to be in execution phase with estimated total investments about 2 billion US Dollars, mostly building on existing facilities and feedstock from operating companies to realize the targeted integration.

Our path forward comprises some project integrated with existing plants & a mega green filed project aiming to introduce new products to the local market which are essential in supporting small and medium sized value added industries to further boost the national economy and avail the very much needed job opportunities

and expertise.

At ECHEM we set high standards of performance and ethical behavior.

Our reputation is upheld by how we live up to our values and we believe that our long term success together with shareholder benefits depend on our dedication to social responsibility, environmental protection, market satisfaction, technological partnerships and fair competition.

President &
Chairman of the Board
Chem. Saad Helal



OVERTURE



ECHEM'S ORDINARY GENERAL ASSEMBLY MEETING



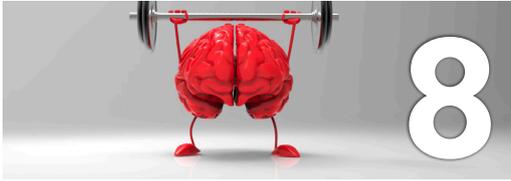
ECHEM'S PARTICIPATION IN A BLOOD DONATION CAMPAIGN



10TH EDITION OF THE MEDITERRANEAN OFFSHORE CONFERENCE (MOC)



**PUBLIC FIGURES
LEONARDO DA VINCI**



**MANAGEMENT TIPS
5 TIPS TO IMPROVE YOUR MEMORY**



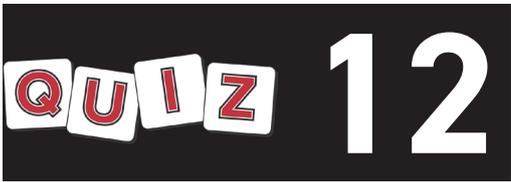
QUOTES



BOOK REVIEW



EVENTS



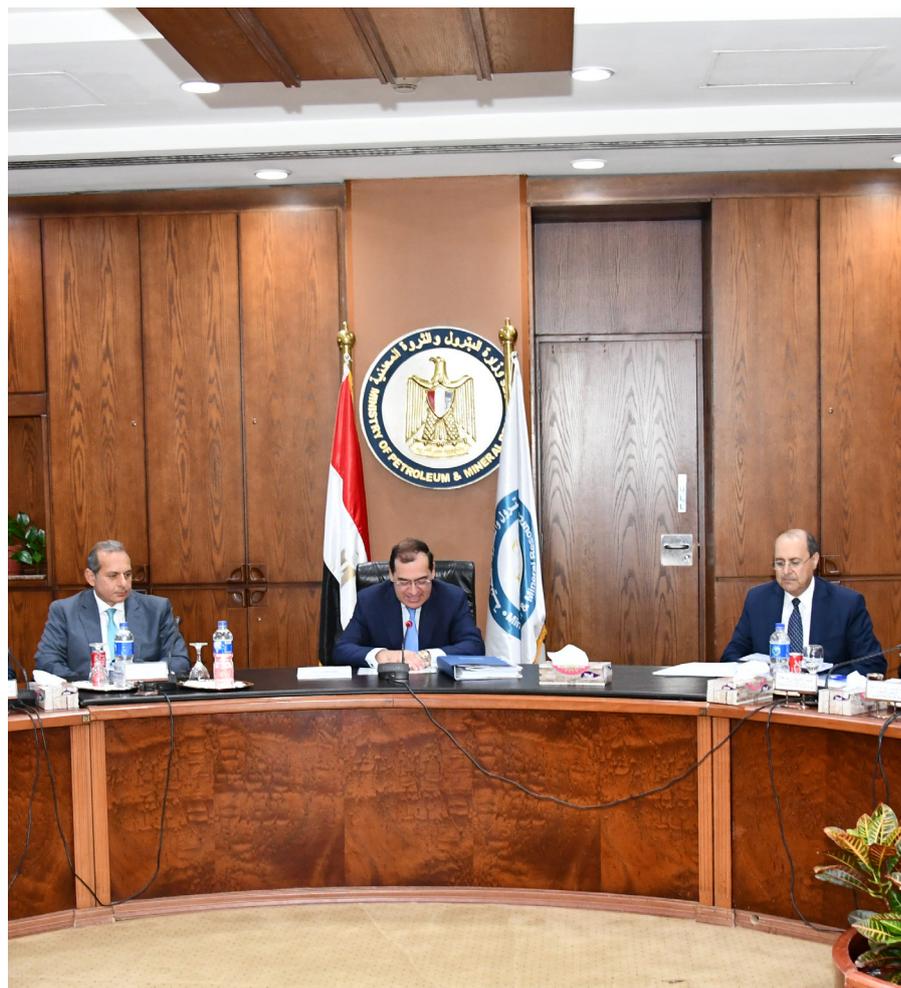
QUIZ

EICHEM'S ORDINARY GENERAL ASSEMBLY MEETING

H.E. Minister of Petroleum and Mineral Resources, Eng. Tarek El Molla, headed the Ordinary General Assembly Meeting of The Egyptian Petrochemicals Holding Company on Tuesday September 17th 2019, at Ministry of Petroleum headquarters to endorse the fiscal year (FY) 2018/2019 results.

Chem. Saad Helal, EICHEM President and chairman of the board, addressed the meeting by highlighting the company's exerted efforts since its establishment in 2002. Such efforts have contributed in developing the petrochemical industry and have helped in increasing production of petrochemical products from 600 ton to 4 million ton/ year.

EICHEM chairman added that the company is currently studying a number of forthcoming petrochemical projects/ opportunities encompassing Suez Methanol Derivatives, Sidpec Propylene & polypropylene Production, EthydcO Butadiene production



as well as handling and storage of ethane gas with total investments amounting to \$2 billion.

In addition to this significant progress, EICHEM chairman also highlighted the establishment of Medium -Density Fiberboard (MDF) project with total investment costs of Euro 210 million; such purely Egyptian investments with total capacity of 205 thousand cubic meters relying on 245 thousand ton of rice straw/ year (as raw material).

He added that EICHEM is currently working on promoting New Alamein complex Petrochemicals & Refinery project with total capacity of 2.5 million ton/year (1.5 million

ton of specialized petrochemical products and 850 thousand ton of petroleum products) with investments amounting to \$ 8.5 billion in order to be able to cope with the increasing/ high demand of the local and international markets.

At the closing of the assembly, Minister of Petroleum and Mineral Resources highlighted the petrochemical projects vital role in boosting the national economy and realizing the petroleum sector goals aimed at maximizing the petroleum industry value added. His Excellency also ensured the importance of speedy completion of ongoing projects while adhering to HSE regulations during their execution.



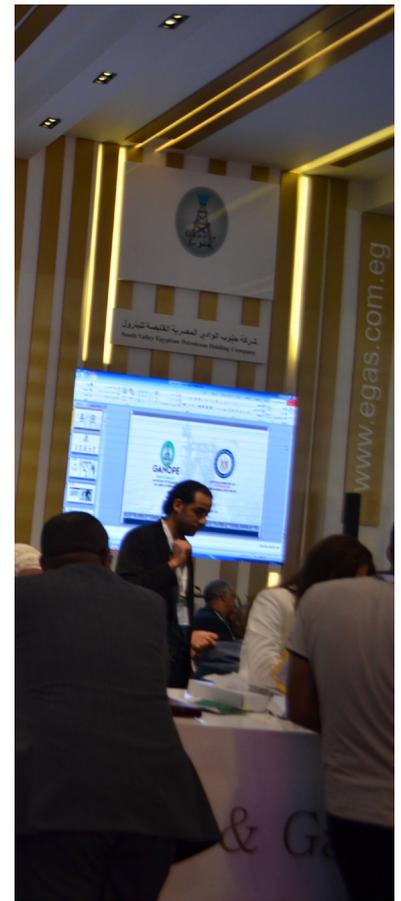
ECHEM'S PARTICIPATION IN A BLOOD DONATION CAMPAIGN



The Egyptian Petrochemicals Holding Company started to join a blood donation initiative under the patronage of the Minister of Petroleum and Mineral Resources Eng/ Tarek El Molla on Tuesday, 18th of June to July 4th 2019. The initiative witnessed huge participation from the employees of the Petroleum sector especially, the Petrochemicals Holding Company under CEO and Chemist/ Saad Helal, as well as high management employees who were keen on joining to shed light on the impact the Petroleum sector has in helping cases that need blood donations.

It is worth mentioning, that this campaign is the first blood donation initiative to be organized by the Ministry of Petroleum and Mineral Resources in collaboration with the Ministry of Health and Population. Furthermore, it had witnessed a great participation from the Petroleum sector and its foreign partners.

Around fifty companies in the Petroleum sector participated, in addition to a large number of oil fields and more than 25 foreign companies.



10TH EDITION OF THE MEDITERRANEAN OFFSHORE CONFERENCE (MOC)



Under the patronage of the Ministry of petroleum and Mineral Resources, Eng. / Mohamed Saafan, the First Undersecretary for Oil Affairs had inaugurated on behalf of The Minister of Petroleum Eng./ Tarek El Molla, the 10th of the Mediterranean Offshore Conference (MOC) at the at the Bibliotheca of Alexandria, with the presence of Dr. Abdel Aziz Konsowa, the Governor of Alexandria, and the heads of international petroleum companies.

The conference is opened this year under the theme of "Egypt: Integration between the two shores of the Mediterranean", aiming of promoting coordination, integration and regional cooperation in the fields of oil and gas domains from 15 to 17 October 2019.

The conference held annually between Alexandria and Ravenna since 2000. It is one of the most prominent conferences on the agenda of international conferences where experts, decision makers and specialists in oil and natural gas sector meet to exchange experiences on modern technologies, especially in the fields of research, exploration and production. It is also a good opportunity to identify investment opportunities in the Egyptian petroleum sector.

The Egyptian Petrochemical Holding Company was keen to participate in the conference and its exhibition as it is considered as a core development entity in the petroleum sector, with a distinguished pavilion which attracted many large companies and investment institutions that have been acquainted with the projects implemented by the company and currently under investment.

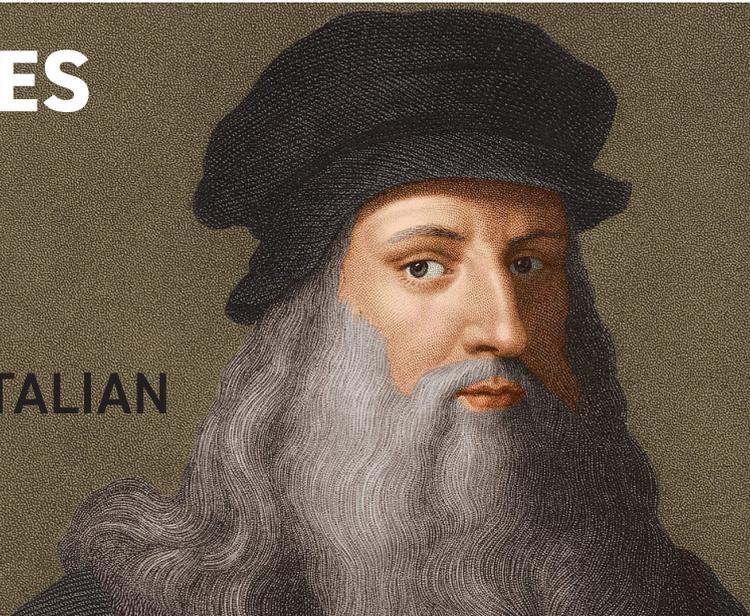
It is worth mentioning, that the conference proceedings this year Have witnessed a distinguished participation of 250 speakers over the three days, to discuss more than 128 research papers covering a big number of important topics related to the oil and gas industry.

The exhibition also hosted more than 350 local, Arab and international companies representing 24 countries, during which they had presented their achievements and the latest technologies used in the oil and gas industry.

PUBLIC FIGURES

LEONARDO DA VINCI

THE LEADER OF THE ITALIAN RENAISSANCE



“Don't gain the world and lose your soul, wisdom is better than silver and gold”. This Quote may embody the personality and mentality of a creative human being such as the comprehensive Leonardo da Vinci.

Leonardo da Vinci was born on April 15, 1452 in Vinci, Italy. He was a painter, engineer, botanist, geologist, musician, sculptor, architect and a famous Italian scientist.

His natural genius crossed so many disciplines that he exemplified the term “Renaissance man”. Today he remains best known for his art, including two paintings that remain among the world's most famous and admired, Mona Lisa and The last supper.

Leonardo was a prominent name not only during the Italian Renaissance age, but still recognized as one of the most well-known names in the art world today.

At the age of fourteen, Leonardo was apprenticed to one of the most successful artists of his day, Andrea del Verrocchio. During this six-year period he learned different techniques and technical skills. Those skills included painting, metal working, carpentering, sculpting, and Leather Crafting (leather craft).

The drawing created when Leonardo was just 21, is dated August 5, 1473, and features a landscape of the Arno river valley and Montelupo Castle. The

pen, ink, and pencil sketch was characterized by a fluent technical approach that was ahead of its time. The drawing remains the earliest surviving known work by da Vinci.

Davinci's interests have ranged far beyond fine art. His analytical thinking style has guided him towards regarding science and art as complementary rather than distinct disciplines.

He spent a great deal of time immersing himself in nature, botany, testing scientific laws, dissecting bodies (human and animal) and writing down his observations. At some point, Davinci began filling notebooks related to four broad themes- painting, architecture, mechanics and human anatomy.

The notebooks-often referred to as Davinci's manuscripts and “codices”-included thousands of pages of neatly drawn illustrations and densely penned commentary. They also contained Davinci's anatomical studies of human and animal bodies, an armored fighting vehicle, a helicopter design, a concentrated solar power, an adding machine, and the double hull. He also created a design for a number of musical instruments and composed hundred pieces of music and literature. Leonardo died at Clos Luce', France, on May 2, 1519 at the age of 67, leaving a great collection of contributions (drawings, scientific studies and working notes) that were considered the living record of a universal mind.

MANAGEMENT TIPS

5 TIPS TO IMPROVE YOUR MEMORY



A strong memory depends on the health and vitality of your brain. Most of us suffer from memory failures of one kind or another, and most of us would like to improve our memories so that we don't forget where we put the car keys or, more importantly, the material we need to know for an exam. In this section, we'll look at some ways to help you improve your mental performance:

1) GIVE YOUR BRAIN A WORKOUT:

Memory, like muscular strength, requires training, the more you work out your brain, the better you'll be able to process and remember information. The best brain exercises that can break your routine and challenge you to use and develop new brain pathways is puzzles, from "memory jogs" to Sudoku, crosswords and number games.

2) MAKE TIME FOR FRIENDS:

When we think of ways to improve memory, most of us think of serious activities such as mastering chess strategy. In fact, it is simpler than that. Countless studies show that maintaining positive and trusting friendships could be the key to a sharper memory and a slower decline in cognitive function as you age.

3) KEEP STRESS UNDER CONTROL:

One of the most important things you can do to improve your memory is to keep stress under control. Stress, and other physical problems have a bad impact on your memory, Studies have also linked stress to memory loss.

4) HAVE A LAUGH FOR BETTER MEMORY:

We know that laughter can reduce stress. But a new study from Loma Linda University offers scientific proof that laughter improves memory as well by reducing the amount of the "stress hormone" cortisol, which decreases memory function and can damage the brain.

5) EAT A BRAIN BOOSTING DIET.

Just as the body needs fuel, so does the brain. Your nutrition system plays an important role in keeping your brain healthy and can improve specific mental tasks, such as memory and concentration such as fatty fish, nuts, blueberries, broccoli, Turmeric, and coffee.

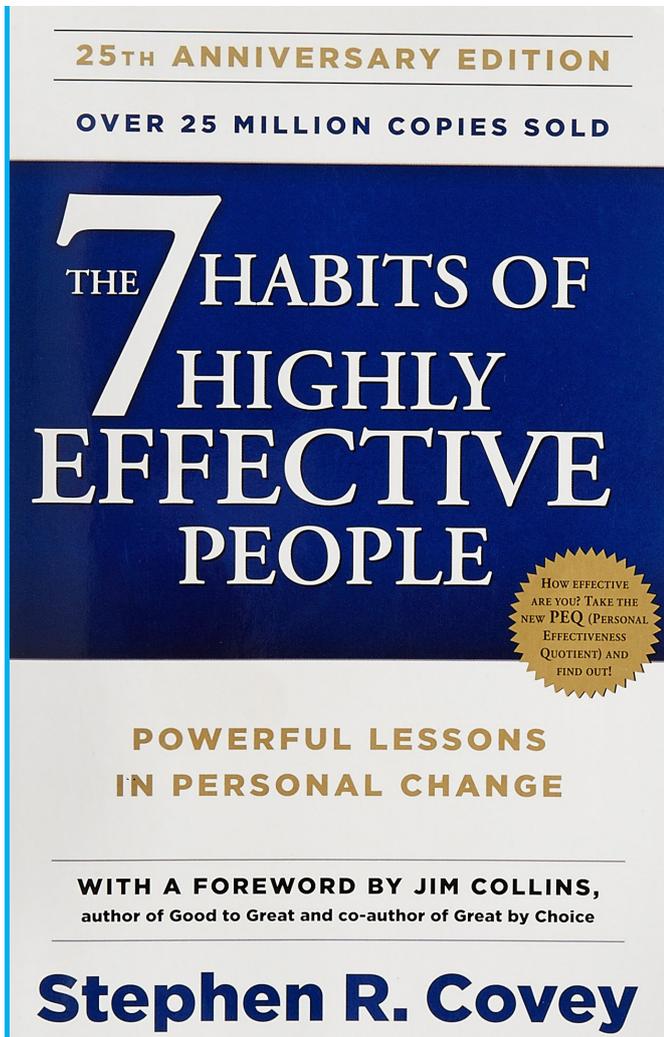
QUOTES

“ If your actions inspire others to dream more, learn more, do more and become more, you are a leader. ”

- John Quincy Adams

BOOK REVIEW

THE SEVEN HABITS OF HIGHLY EFFECTIVE PEOPLE



Stephen Richards Covey was born on October 24th, 1932. He is an American entrepreneur, author, businessman and keynote speaker. His most popular book "The Seven Habits of Highly Effective People" talks about the average person's personal and professional habits which make up their character. Covey's best-known book, has sold more than 25 million copies worldwide since its first publication.

Covey's book is a self-improvement one. It is written on Covey's belief that the way we see the world is entirely based on our own perceptions. In order to change a given situation, we must change ourselves, and in order to change ourselves, we must be able to change our perceptions.

In *The 7 Habits of Highly Effective People*, Covey presents a holistic, integrated, principle-centered approach for solving personal and professional problems. With penetrating insights and pointed anecdotes, Covey reveals a step-by-step pathway for living with fairness, integrity, service, and human dignity—principles that give us the security to adapt to change and the wisdom and power to take advantage of the opportunities that change creates.

Throughout his book, Steven sheds light on seven main points about how to live your life effectively on a personal and professional level.

1. Be Proactive
2. Begin with the End in your Mind
3. Put First Things First
4. Think Win-Win situation
5. Seek First to Understand, then to Be Understood
6. Making better, smarter and strategic decisions
7. Sharpen the Saw



EVENTS

ECHEM,s march supporting political leadership and Country stability
(September 27, 2019)



The Ping Pong Team Honoring For Winning First Place In Ramadan Tournament



EVENTS



Ahmed Nadim's outstanding participation in the team of the petroleum sector crowned by the African Club Championship (July 31 - August 2, 2019)

School Supplies Exhibition opening (September 2-5, 2019)



QUIZ

Who invented the volley ball game?

1. William Morris
2. William Fichtner
3. William Morgan

What's the most populated City in Africa ?

1. Lagos
2. Cairo
3. Kano

In which year did Maradona score a goal with his hand?

1. 1977
2. 1986
3. 1979



Answers:
3
1
2

PETROCHEMICALS PUZZLE

Find the following Amazon tributaries :

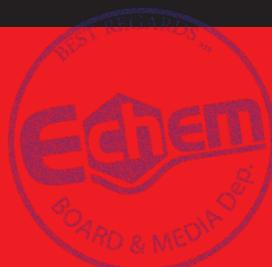
- Branco**
- Huallaga**
- Nanay**
- Madeira**
- Napo**

K	E	H	R	A	F	Y	G
O	A	U	V	P	S	N	C
B	R	A	N	C	O	Y	X
C	I	L	Y	I	P	E	H
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U	D	A	Y	A	N	A	N
T	A	G	L	C	L	I	U
R	M	A	R	N	Y	G	B



THE CORRECT ANSWER:

Issued By ...
Board & Media Affairs



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