

JANUARY 2017



# OVERTURE



I've been honored to chair ECHEM throughout this prolific year & to witness the implementation of a wise strategy encompassing the inauguration of a prosperous petrochemicals industry in Egypt.

Wrapping up this year's achievements, the fiscal year 2015/2016 has recorded a remarkable progress by placing MOPCO's 2<sup>nd</sup> & 3<sup>rd</sup> Trains and ETHYDCO's 1<sup>st</sup> Train on stream. Production rates have perked up reaching an excess of 30% than the preceding year, whereas sales rates increased reaching 20%.

Seeking exposure & aiming at invading international markets, ECHEM is to promote for its forthcoming opportunities through EGYPS 2017 Conference & Exhibition. EGYPS 2017 will bring together Egyptian and North African Government representatives, key project owners, NOCs and IOCs, international service providers, EPC contractors, consultants and financiers to address the evolving opportunities in the

Egyptian and North African energy arena. ECHEM is to participate with a number of promising opportunities that open new channels of investment and maximize the utilization of our natural resources; the most prominent of which are E.STYRENICS Styrene project, Propylene & Derivatives, Formaldehyde & Derivatives and Resins & MDF Wood Panels project. Production shall serve local market demands while replacing imports.

I believe that the upcoming days behold a bright investment future for the petrochemicals industry in Egypt in the light of the wise governmental reforms, sincere employees dedication and extensive R&D activities that will place Egypt as a prolific competitor on the regional petrochemicals production map.

**President &  
Chairman of the Board**

*Eng. Mohammad Saafan*

# AL SISI INAUGURATED ETHYDCO'S COMPLEX



President Abd Al-Fattah Al-Sisi together with the Prime Minister Sherif Ismail, the Minister of Petroleum Tarek El Molla as well as a number of prominent public figures witnessed the inauguration ceremony of the Egyptian Ethylene and Derivatives Complex (ETHYDCO) in August 13<sup>th</sup> 2016 as one of the largest industrial entities in Egypt and the Middle East.

During his speech, Al-Sisi highlighted the extensive governmental reforms that helped Egypt create a promising investment climate for oil & gas exploration and production. His Excellency praised the petroleum sector achievements in the last couple of years and paid a tribute to its major contribution in availing foreign currency, replacing imports and hence backing up our national economy.

Minister of Petroleum Eng. Tarek El Molla stated that ETHYDCO's complex is the latest on the petrochemicals master plan standing as a prosperous model for partnership between the

petroleum sector and the Egyptian banks. The complex is set to produce 460 Thousand T/Y Ethylene, 400 Thousand T/Y Polyethylene and 26 Thousand T/Y Butadiene with a total investment cost of 1.9 Billion USD. The project aims to maximize the value added to petrochemical products while manufacturing final products rather than exporting raw materials.

ETHYDCO's production is set as a feedstock to a number of vital industries such as synthetic rubber, pipes, electric apparatus, vehicles, and medical utilities. As for Polyethylene, it is widely used in the production of insulation materials, electrical wiring, in addition to plastic bags & sacks. It is worth mentioning that ETHYDCO is the first to apply the ZLD technology to achieve environmental compliance, reduce carbon footprint and recover high purity water for reuse.

# ECHEM'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 Sunday September 18<sup>th</sup> 2016 at ECHEM headquarters to endorse the fiscal year 2015/2016 results.

During the meeting, ECHEM chairman and president, Eng. Mohammad Safaan confirmed the Ministry of Petroleum key role in supporting ECHEM's pathway, reflected on the fiscal year accomplishments. ECHEM has successfully placed 2 major plants; MOPCO's Expansion and ETHYDCO's complex on production map with Total Investments Cost of USD 3.9 Billion.

In addition to this significant progress, ECHEM continued its vital role in monitoring its affiliated companies while providing them with the technical support needed to enhance their economics and raise productivity. In this regard, Eng. Mohammad Safaan pointed out the profitable impacts of revamping EPC's production units and highlighted

E.Styrenics's reform plan which contributed in resuming production after a year of suspension.

ECHEM chairman added that the company is currently studying a number of promising forthcoming opportunities encompassing Propylene & Derivatives, Formaldehyde & Derivatives, Resins & MDF Wood Panels as well as Styrene Production project. These future projects stand as a significant example of integration between the petroleum sector companies and other reputable entities in Egypt.

At the closing of the assembly, Minister of Petroleum and Mineral Resources praised the sincere efforts exerted by ECHEM and its affiliates in implementing the National Petrochemicals Master Plan regardless the challenges that our country is currently facing. His Excellency as well highlighted ECHEM endeavors towards establishing more Petrochemical plants countrywide to boost our national economy.

## ECHEM ...

# A Year of Success & Credibility



A quantum leap for ECHEM's projects progress has been tremendously witnessed throughout the fiscal year 2015/2016, started with the inauguration of MOPCO's 2<sup>nd</sup> & 3<sup>rd</sup> Trains in May 2016.

President Abd Al-Fattah Al-Sisi witnessed the start up of MOPCO's Expansion which is set to produce almost 1.38 Million T/Y Urea with a Total Investment Cost of USD 1.960 Billion. It is worth mentioning that MOPCO is one of the largest fertilizers plants in Egypt and Middle East, where its Urea production is a feedstock for a number of vital industries like nitrogen fertilizers, adhesives, melamine and electronics industry. His Excellency as well has witnessed the inauguration of ETHYDCO's complex in August 2016, which is set to produce 480 Thousand T/Y Ethylene & derivatives with a total investment cost USD 1.925 Billion.

The continuous support provided by ECHEM towards its affiliates has tremendously perked up production and sales rates throughout the fiscal year 2015/2016. Total production rates reached 2 Million T/Y of petrochemical products with an increase of 30% over the preceding year, whereas total sales rates recorded 1.9 Million T/Y with an increase of 20% over the last year.

Regarding our future expansion, ECHEM pursues a flexible plan for opening new channels of investment while studying possible scenarios for forthcoming opportunities that aim to maximize the value added to our natural resources. The first opportunity of which is E.STYRENICS' styrene plant in Alexandria which aims to produce 300 Thousand T/Y Styrene. Styrene produced is set to provide the Polystyrene plant with feedstock needed rather than importing it. The second & third opportunities to be shortly on stream are Propylene & Derivatives in addition to Formaldehyde & Derivatives projects. Following these mega projects is the MDF project, which aims to produce Adhesive-based Chemicals & MDF Wood Panels using agricultural residues (i.e. rice straw) as a feedstock. Production shall serve local market demands while replacing imports.

Summing up this year's progress, ECHEM is meticulously implementing its national petrochemicals master plan in an attempt to place Egypt among prominent petrochemical players worldwide nevertheless generating thousands and thousands of direct and indirect job opportunities that immensely back up our national economy.

# Public Figures

## Nick Vujicic



Nick Vujicic, an international motivational speaker born in 1982 in Melbourne, Australia. Nick came into the world with a rare medical condition called Autosomal Recessive Tetra-Amelia; where the child has no limbs except feet with just two toes.

Throughout his childhood, Nick dealt not only with the typical challenges of school and adolescence; such as bullying and self-esteem issues, he also struggled with depression and loneliness as he questioned why he was different from all the other kids.

As Nick grew up, he learned to deal with his disability and gradually

accomplished more on his own. A janitor at his high school inspired him to start speaking publicly about overcoming adversity, so Nick started speaking to small groups of students when he was 17.

After high school, Nick went onto tertiary education and obtained Bachelor degrees majoring in Accounting and Financial Planning, from Griffith University, Australia. By the age of 19, Nick started to fulfill his dream of encouraging other people by giving speeches revolving around his life story. He found the purpose to his existence and also the purpose in his circumstances.

Nick moved to Los Angeles afterwards, where he established an international nonprofit organization called Life without Limbs and owned the motivational speaking company Attitude Is Altitude.

Nick has traveled to over 57 countries sharing his story with over 400 million people. He is the author of many bestselling books like Life Without Limits, Unstoppable, Limitless, Stand Strong and Love without Limits. His books have been translated to over 30 different languages and have sold more than a million copies internationally.

## Management Tips

# 8 Tips on How to Improve Your Self-Confidence

*Do you have trouble building up your self-confidence? If so, you are not alone. Everybody has trouble with building one's self-esteem in today's world. The key is to be persistent and to find the ways to improve your confidence so you can be successful in life.*

Here are eight easy suggestions to increase your self-esteem in your life.



### **1. Know Your Weaknesses and Strengths:**

It is important to know what you are good at. Taking a skills assessment test is a great way to determine your strengths and weaknesses. Once you realize your skill sets, the next step is to focus on those things that you are good at. A person can't be good at everything so don't take yourself too seriously.

### **2. Accept Yourself:**

You are unique in this world. It is important that you do not beat yourself up over the things that you have trouble doing. Instead of complaining about your weaknesses, try to find ways to improve your life. Take a class at a local community college to learn a new skill. Accept yourself for who you are.

### **3. Remember Your Successes:**

Many people downplay their successes and focus on those things they struggle with. This is a mistake. Always remind yourself of your accomplishments no matter how small they are. Do not downplay the positive parts of your life. Stop focusing on the negative parts of your life and instead concentrate on your achievements.

### **4. Read Positive Affirmations:**

It is important that you read affirmations that make you feel confident. Read a self-help book and then write down all of the things that motivate you. Read something positive on a daily basis and reflect on what you can do to improve your situation. Don't focus on the things that make you feel anxious and fearful.

### **5. Think About Your Future:**

Take time to think about what you really want out of life. Do not live your life for others. Spend a lot of time and energy thinking what you really want in life and decide what you really want to achieve. Once you determine what you want to accomplish, then write it down and use it as motivation.

### **6. Create Goals:**

Set achievable goals on a regular basis and then take small steps to accomplish them. Make sure your goals are measurable and monitor your progress. Don't get upset if you don't accomplish all of your goals. You can always change your goals so that you can be more successful.

### **7. Talk To Others:**

It is important that you talk to other successful people in order to get a better perspective of your life. Listening to other people's challenges and accomplishments can go a long way in feeling better about yourself. You can also learn how to find ways to overcome your obstacles in your life.

### **8. Be Persistent:**

Do not give up achieving your goals in life. Learn from your mistakes and try to improve your situation. Do not make excuses on why you should quit or give up. Sometimes it takes a lot of effort to be successful. The key is to keep it until you get what you want.

## Did you know that ...

### Dietary Routines Can Drastically Cure Cancer

*Historically, many approaches have been developed for curing cancer. Some involve the use of herbs, minerals, oils, dietary modifications and enemas, while others use traditional therapies; like chemo & radiation. Since the latter has proven many side effects such as hair loss and extreme fatigue, the alternative medicine has made way to many breakthroughs.*

**We are bringing you some of the dietary therapies for curing cancer naturally.**

#### THE KETOGENIC DIET:



The Ketogenic Diet is a high fat, moderate protein, low carbohydrate diet that originally used as a treatment for children with epilepsy then developed to cure cancer. This diet brings about important changes in the ways cells in the body are nourished.

When a person uses the ketogenic diet, they create a condition where there is a reduced level of glucose in the blood and there are elevated levels of ketone bodies. The result is that the cancer cells deny their primary energy source (starved) while all the healthy cells in the body are nourished by ketones. Since cancer cells are unable to use ketones for their energy source and rely on glucose and glutamine for metabolism, they rapidly begin to die.

#### THE GERSON DIET:



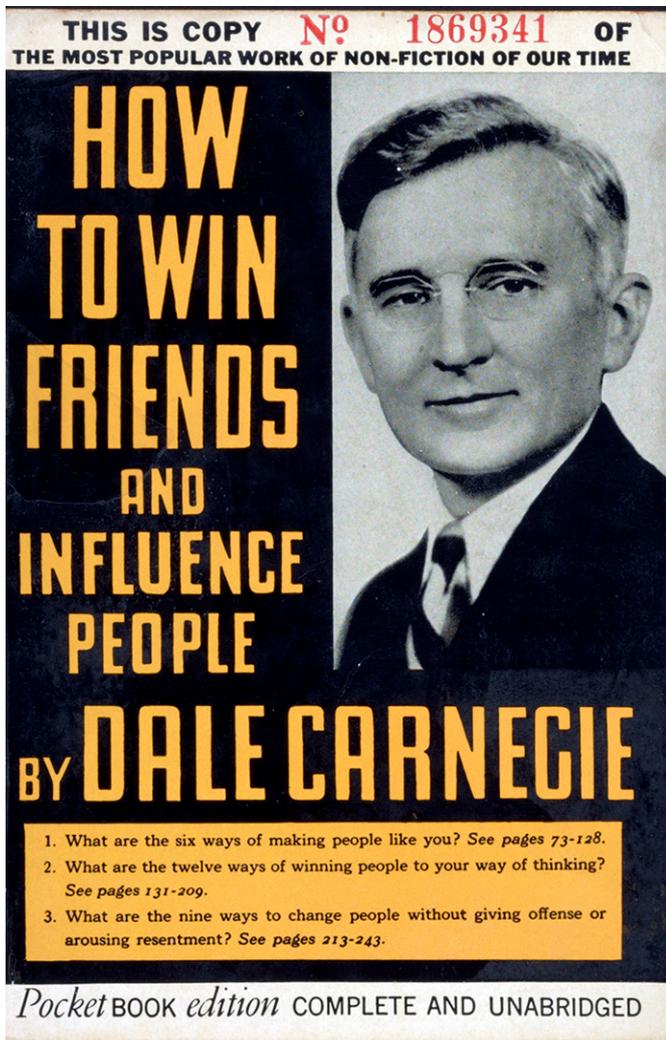
The Gerson diet is a cleansing diet based on the premise that a person who has cancer has very high levels of toxins in the body which need to be removed in order for the cancer to be healed.

People using the Gerson diet will consume specially formulated vegetarian meals, large amounts of fruit and vegetable juice, daily consumption of raw liver juice and 4 or more coffee enemas per day.

The natural cures for cancer have been proven to be healthier, have less of a toll on the human body and chances of survival are actually higher. Some people turn to alternative cancer treatments after it has become clear that conventional treatments are not working. Other people just skip conventional treatments altogether and go directly to safer alternatives.

## Book Review

# How to Win Friends and Influence People



**Dale Carnegie** is an American writer, lecturer and the founder of the famous Dale Carnegie Training institute. He was the author of *How to Win Friends and Influence People* (1936), *How to Stop Worrying and Start Living* (1948), *Lincoln the Unknown* (1932), and several other books. One of the core ideas in his books is that it is possible to change other people's behavior by changing one's behavior.

**How to Win Friends and Influence People** is one of Carnegie's first best-selling self-help books ever published. It has been considered as one of the most successful books in America. The book has sold over 30 million copies worldwide. A recent survey for The Library of Congress ranked

Carnegie's volume as the seventh most influential book in the American history.

In **How to Win Friends and Influence People**, Carnegie has divided his book into 4 main parts comprising ..

- 3 fundamental techniques in handling people.
- 6 ways to make people like you.
- 12 ways to win people to your way of thinking.
- 9 ways to change people without arousing resentment.

Throughout his book, the author introduced 12 triggers guiding his readers to reach their goals through ..

1. Getting you out of a mental rut; giving you new thoughts, visions & ambitions.
2. Enabling you to make friends quickly and easily.
3. Increasing your popularity.
4. Helping you to win people according to your way of thinking.
5. Increasing your influence, prestige & ability to get things done.
6. Enabling you to win new clients & customers.
7. Increasing your earning power.
8. Making you a better salesman & executive.
9. Helping you handle complains, avoid arguments, keep your human contacts smooth and pleasant.
10. Making you a better speaker & a more entertaining conversationalist.
11. Making the principles of psychology easy for you to be applied in your daily contacts.
12. Helping you to arouse enthusiasm among your associates.

Carnegie sealed his book by introducing the magical keys to make your life happier by avoiding criticism, condemn & complain while giving honest and sincere appreciation.

## For a Better Health ...

### 5 Simple Tips Leading To A Healthy Life

Living healthy allows you to focus and set attainable goals. It also gives you a boost of positive energy and liveliness. Your mental health is just as important as your physical health. Do things that you are passionate about and that bring out your full potential hence, leading to a healthy life. Here are 5 tips to living a healthy life:



#### 1) DRINK MORE WATER.

60% of our bodies are made up of water. Since we lose water every day through urine, bowel movements, perspiration and breathing, we need to replenish our water intake. Thus, water is needed to carry out our body functions, remove wastes and carry nutrients and oxygen to our bodies.

#### 2) GET ENOUGH SLEEP.

The average human body needs between 7-8 hours of sleep daily. Lack of sleep may cause high blood pressure, heart diseases, strokes, among other negative implications on the human body.

#### 3) EXERCISE.

Exercising daily brings tremendous benefits to our health, including increase of life span, lowering risk of diseases, higher bone density and weight loss. Increase the physical activity in your life; choose walking over transport for close distances or climb the stairs instead of taking the lift.

#### 4) EAT FRUITS.

Fruits are a plethora of vitamins and minerals. The human body requires essential minerals and vitamins for every process and function. These nutrients work in symphony to grow, heal, repair and maintain your body cells, organs, systems and skeleton.

#### 5) MEDITATE.

Meditation calms your mind and soul. When you free your mind from unnecessary clutter, you make room for bright ideas which in turn lead to a healthy and satisfying lifestyle.

## Quotes

When you take charge of your life, there is no longer need to ask permission of other people or society at large. When you ask permission, you give someone veto power over your life.

-Geoffrey F. Albert

# QUIZ

## Galileo was an Italian astronomer who ...

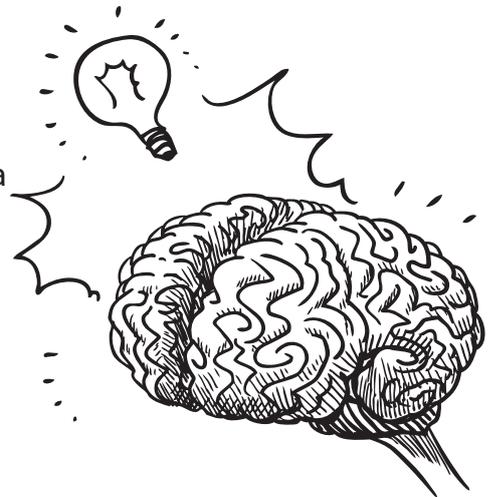
1. Developed the telescope
2. Discovered four satellites of Jupiter
3. Discovered that the movement of pendulum produces a regular time measurement
4. All of the above

## Entomology is the science that studies ...

1. Behavior of human beings
2. Insects
3. The origin and history of technical and scientific terms
4. The formation of rocks

## For which of the following disciplines is Nobel Prize awarded?

1. Physics and Chemistry
2. Physiology or Medicine
3. Literature, Peace and Economics
4. All of the above



4  
2  
4  
Answers:

# PETROCHEMICALS PUZZLE

Our affiliated companies are ...

**Solar**

**Wind**

**Hydropower**

**Geothermal**

**Biomass**

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

THE CORRECT ANSWER

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

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