Name: Alsayed Anwar Mustafa Consultant chemical engineer in process deign &chemical plants devlopment Education: Bsc in chemical engineering from Alexandria University Graduation year: June 1970 with grade good Mobile + 201223166854 Email: alumsulfate@gmail.com

Areas of expertise

From 1971- 1978

The I	Egyptian	Chemical	Industries	- KIMA
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The main Products include:1-Ammonium nitrate - high density2-Pure Ammonium Nitrate - low density3-Ferrosilicon alloyAswan -the High Dam wayTel: 002097/2314445 - 2314501 - 2314500Fax: 002097/2314505As first engineer in1- Hydrogen gas production by water electrolysis 36,000m3/h2- Water demineralization3- Caustic soda and hydrochoric acid production by electrolysis

4- As lecture in kima high institute for technology

From 1978 - 1988

Egyptian plastic company (private sector)

Plastic products & recycling

Worked as plant manger

From 1988 - 1998

Egyptian Aluminum Sulphate Co of Egypt (ASCE)

The company is considered one of the largest companies in the Middle East and Africa in the production of aluminum sulfate, with production capacity 300,000 t/y

Aluminum Sulphate Company of Egypt SAE was founded in 1986 and is based in Cairo, Egypt. Kemira kemi Finland is partner in ASCE

Raw materials used for production

1- Calcined kaolin

2- Aluminum trihydrate

MY POSITION

***EXCUTIVE PRODUCTION MANAGER

*** I TRAINED IN KEMIRA KEMI PLANTS IN USA, SPAIN FOR PRODUCING ALUMINUM SULFATE FROM UNCAINED KAOLIN

<u>FROM 1998 - 1999</u>

UNITED COMPANY FOR CHEMICAL INDUSTRIES (EGYPT)

PRODUCTS SOLID ALUMINUM SULFATE 50,000 T/Y

MY POSITION

I worked as a factory manager responsible for the installation and operation of the plant

FROM 1999- 2011

National Company for urea melamine formaldehyde molding powder (Egypt)

This is owned by national bank of Egypt till 2011 then sold to Egyptian investor

Products

1-melamine formaldehyde molding powder

2- Urea formaldehyde molding powder

3- Urea formaldhyde glue

My postion

Executive Production Manger

From 2011 – till now

Tayseer Al Sheikh Phosphates Products

Tayseer Al Sheikh Phosphates Products Factory stands in the business segments of Chemicals and Fertilizers. Tayseer Al Sheikh Phosphates Products Factory manufactures a wide range of fertilizers and Chemicals, Making rising as leader in its addressable markets.

Tayseer Al Sheikh Phosphates Products Factory has also ventured into the retail business setting up more locations in the agricultural and Chemical Industry.

Tayseer Al Sheikh Phosphates Products Factory is located in Yanbu Industrial City, Light Industrial Park, Yanbu, Saudi Arabia.

It is a complex of three plants: (1) Sulfuric Acid Plant (To manufacture Potassium Sulphate and Di Calcium phosphate) (2) Potassium Sulfate Plant (3) Di Calcium Phosphate Plant The purpose of this complex is to produce various fertilizers products & other by product chemical products, distribute inside Kingdom & export outside Kingdom.

Company Name: Tayseer Al Sheikh Phosphates Products Factory Address: Madeena Commercial Center Zip/Postal Code: 19865 City/Region: Jeddah Country: Saudi Arabia Telephone: 966-02-6630703 Fax: 966-02-6613038

My position

The technical consultant for the group

Projects I supervised and provide technology transfer

1- Continvest Ltd company Bulgaria

Continvest Ltd is the main importer in Bulgaria of chlorine- alkaline products (hydrochloric acid, caustic soda liquid, methylene chloride).

In 2005 we built an installation for spilling of liquid chlorine in drums and cans and started the production of sodium hypochloride and ferry – chloride for treatment and purifying of waste and fresh waters.

In 2008 we started the production of aluminium sulfate – liquid and in 2009 –of aluminium sulfate – solid for waste and fresh water treatment.

All the products used for purifying of potable water (chlorine, sodium hypochloride and aluminium sulfate) are registered and certified by Bulgarian Ministry of health as per the valid European standards - EN 878 standard of EU

Contact Information

Company Name	Continvest Ltd
Contact Person	Mr Tsvetan Tsvetkov
Company Address	Maior Jurii Gagarin Str, Sofia, Bulgaria
Postal Code	1113
Tel	359 2 9717028
	359 2 9717035

I provide the technology and know-how for producing Liquid and solid aluminum sulfate

1-operation manual for production process

- 2- Technical details for equipments needed for production
- 3- Quality control procedure for final product &quality assurance during process satages
- 4- Assistance for contacting companies for equipments purchase
- 5- Startup production line

<u>2- Iraq (Kurdistan)</u>

I assist Kurdish investor in Iraq for fesiabilty study for solid aluminum sulfate

Production line 50,000 t/y & fesiability study for sulfuric acid plant 50,000t/y

3- Saudi Arabia

Saf Sulphur Company

Saf sulphur factory for agricultural and industrial with license number 2556 issued in Riyadh, Saudi Arabia, started business operation in year 2009 after years of thorough planning, research and development.

Our main office and factory is located in new 2nd industrial area in Riyadh having branch office in dammam city near sea port area. In just a short period of time, we gained local and international acceptance and recognition of having excellent products and management services.

We established global export and import cooperation from Middle East countries to Africa, Asia, and Europe and have reached as far as north and South America. We also positioned ourselves as an active member of the premier membership centre of riyadh chamber of commerce and industry and have been awarded as iso9001:2008 compliant and also been certified by the saudi quality council.

Contact Details

<u>Mr. Nasser S. Al Sahli</u>

<u>Address: New 2nd Industrial ArearnP.O. Box 70482 Riyadh Zip 11567, Kingdom of Saudi Arabia, -</u> <u>11567, Saudi Arabia</u>

<u>Telephone: 966-11-2428722</u>

Fax No: 966-11-2428733

<u>Mobile Phone : 966-505869170</u>

<u>I prepared feasibility study</u>

1- Aluminum sulfate liquid and solid

2- Polyaluminum chloride liquid

3- Calcium chloride liquid

4- Zinc sulfate

5- Copper sulfate

United staets

I prepared the feasibility study for solid aluminum sulfate 50,000 t/y for

Name:Stephen L GowanCompany:Gowan Law OfficeAdmit Date:04/25/1991Address:Rte 1 Box 111DSallis, MS 39160Mailing Address:P O Box 629Kosciusko, MS 39090-0629Phone:(662) 290-0042Fax:(662) 290-0042

<u>India</u>

I prepared the feasibility study and knowhow for solid aluminum sulfate 50,000 t/y for

Sree Rayalaseema Hi-Strength Hypo Ltd

<u>Egypt</u>

<u>*** Approval of a consultant engineer from the Egyptian Engineers Syndicate in the field of</u> <u>process</u> design and chemicals plants development since year 2000

*** I prepared a study for producing potassium sulfate without using Manheim furnace

*** I prepared a study for producing potassium sulfate from polyhalite