

MRC REVIEW //

PROJECT UPDATES // CASE STUDIES // NEWS

Key Project For BioGeneric Pharma



In December 2007 Dr Mohamed Sayed from BioGeneric Pharma and Mr Thair Hussain from MRC signed a contract for the design of a new manufacturing plant in Egypt.

BioGeneric Pharma is an international pharmaceutical company whose principal activities are the development, production and marketing of genetically engineered

The company has a joint venture with Xiamen Amoytop Biotech Co Ltd, specialising in the production of genetically engineered proteins used in the fields of cancer, antiviral and blood diseases and also with Techpool Bio-Pharma Co Ltd, specialising in cardiovascular and reproductive medicines.



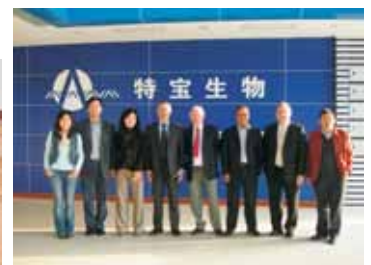
The new facility currently under design by MRC will consist of two separate filling lines, one for the manufacture of lyophilised and sterile liquids for injection (vials) and another for pre-filled syringes. The vial filling and lyophilised line with one freeze dryer will be installed initially and the syringe filling line and second freeze dryer at a later date.

The facility is to be designed, constructed, equipped and validated to conform to the International Standards of current Good Manufacturing Practice (cGMP) and US FDA requirements for the manufacture of sterile pharmaceutical products.

The facility will consist of production, laboratory, warehouse and utilities buildings and will be constructed on a plot of land approximately 19500m², with a total covered area of approximately 4000m². MRC are very happy to be a part of this important project and will ensure it will be a great success for BioGeneric Pharma and the region.



proteins. The company comprises of a research and development facility located on the US-Canadian border, production facilities located in China and regional offices in the US and Egypt.



Inside:

Berzeit	Mayen Pharmaceuticals Ltd	Yemen Egyptian Pharma	News from;	ISPE, UK
APM	Rafarm	Genelix / Orchid	Dubai	ACRAX, India
Mag Pharma	United Pharma	GE Healthcare	Hungary	
Cadilla Zydus		API	India	



PROJECTS//

Berzeit Take Delivery



Berzeit Pharmaceutical Company is the leading manufacturer of generic medicines in Palestine and aims to become Palestine's most valued and unique enterprise.

We have recently delivered all the modular cleanroom panels Berzeit require for their cleanrooms from our factory in Hungary and the MRC project team is co-ordinating with Mr Ziad Jarallah from Berzeit to organise a date for site installation.

APM Acquired by Hikma

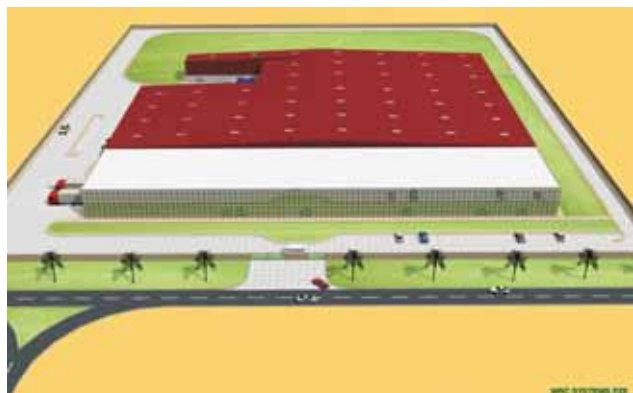
In December 2007 Hikma Pharmaceuticals Plc announced the purchase of Jordan's Arab Pharmaceutical Manufacturing.

The acquisition enhances Hikma's leadership position in the fast growing MENA region. It also brings together the high quality and complementary portfolios of the two companies.

MRC wishes Hikma every success in this venture and looks forward to continuing to provide service and support to them.



Mag Pharma Sign Contract



Mag Pharma from Sharja, United Arab Emirates has signed a contract with MRC for the design of a new IV solution manufacturing facility as part of the ongoing trend of expansion of pharmaceutical companies on the Arabian Peninsula.

The UAE-based pharmaceutical industry is emerging as a major force in the local, Gulf and Arab markets. Despite intense international competition many local pharma companies are successfully marketing their products even in the highly competitive European arena.

Diversification of the economy away from dependence on oil has led to rapid industrial development in the area. First class facilities, low labour and energy costs, favourable tax laws and political stability have also contributed to the growth of the manufacturing sector.

Cadilla Zydus Puts Trust in MRC

Cadilla Zydus first put its trust in MRC in 2001 and has been working with them ever since.

Production has started on a new vaccine project in Ahmedabad, India. The facility is just over 1000m² in area. The first delivery of products was made at the end of March and the team are working together to ensure that the project runs to schedule. A recent project meeting was attended by Cadilla's Vice President Mr Anish Sanghavi and Project Manager Mr G C Purohit. They were joined by Mr Gopal Krishna from SRP and Dr Sridhar and Mr Rafid Hussain from MRC.



PROJECTS//



Mayen Pharmaceuticals Ltd

The pharmaceutical industry in Nigeria has passed through a tortuous path, from the rudimentary era of pre-1957 to the foundation-laying era of the 1960s, through the oil boom era of the 1970s, to the harrowing experience of the 80's and 90's and into the potentially bright era of the 2000s. This path traversed by the industry is not peculiar to Nigeria but is the same as in other developing countries.

Today there are six main ownership structures. 5 indigenous manufacturers control over 58% of manufacturing. Asian owned companies control 18%. Anglo American owned companies have 14%. Government companies control 5% and others control 5%.

From this structure, it is clear that indigenous ownership in the industry

is on the increase. This is a welcome development for the industry and indeed the nation, because the presence of such companies in the industry creates jobs and encourages the development of products that are relevant to the healthcare of the nation.

One indigenous company entering this field is Mayen Pharmaceuticals Ltd. They have recently signed an agreement with MRC for the development of a new plant for the manufacture of IV solutions. The plant will include 2 state-of-the-art blow fill seal lines from Rommelag with operating capacities of 4000 units per hour (500ml bottles) and 6000 units of SVP per hour. MRC's work will include design, construction, fit-out, training and start-up of the plant. Target completion date for the project is the end of 2009.

Rafarm Commissions MRC

Having successfully completed concept design work for Rafarm last year, MRC was delighted recently to be awarded a contract for the construction of cleanrooms for the company.

Work on site in Athens has now started and is expected to be completed this autumn.

All work is being co-ordinated by MRC's UK office and carried out in close co-operation with our partners in Greece, Dimtech.



United Pharma Testing Doors with MRC

United Pharma have recently agreed their second order with MRC for pharmaceutical doors.

In 2007 the company tested these products in their cleanrooms and have now chosen to add them throughout one of their facilities in Jordan. Once these products have been approved by the company for pharmaceutical application, the order will also include three booths which will be fitted within the same area.

The design has been completed by MRC and the first shipment has already been received in Jordan. The team started work on the project at the end of March.



PROJECTS//

Sterile Area for Yemen Egyptian Pharma

In 2007 MRC received an order for a new sterile area for Yemen Egyptian Pharma in Yemen to include MRC 1200 cleanroom wall and ceiling system with HVAC and electrical services.

At the beginning of 2008 MRC commenced delivery of products to site. Installation of the cleanroom will start in May.

This project, like many others in the region, is being co-ordinated from MRC's Amman office. The project manager is Mr Wassim Sunna.



MRC Welcomes Genelix

MRC Systems were pleased in March this year to be awarded an order for the design of a new bio manufacturing plant for Genelix in Athens. Genelix, a new customer for MRC, intends to start the construction as soon as possible this summer.

Mr James Cossar and Mr Mike Hughes from MRC met with the client project team in March to commence work. MRC's partners in Greece, Dimtech, will as usual provide support throughout the project.

New Doors for Orchid

Production has recently started on a new project for Orchid Chemicals.

MRC are replacing doors in an existing Orchid facility in Chennai with MRC 1200 strong and durable GRP doors.

Each door will have a special frame, equipped with a PLC control system and a unique specification in terms of dimension and fixing details.

Drytec Facilities for GE Healthcare

Work has now started on site on the construction of a new cleanroom facility for the assembly of Drytec generators for GE Healthcare in Amersham, UK.

The new facility will deliver a significant increase in capacity for GE and is expected to be up and running in March 2009. James Cossar, MRC Project Director is watching the project closely and is pleased with the progress being made so far on site.



Installation Starts For ASIA Pharmaceuticals

Early in 2008 MRC started shipping products to Aleppo, Syria for the construction of a new cleanroom for Asia Pharmaceutical Industries (API).

Installation of the cleanroom will be carried out by client personnel supervised by experienced MRC installation staff who will also provide on-site training for this important project.



MRC NEWS//

MRC News from...

Dubai

MRC announce the opening of a new customer centre in their Dubai factory which will demonstrate the wide range of cleanroom products available to our customers.

Customers will be able to see a typical cleanroom suite constructed with our unique MRC 1200 modular system and many cleanroom components and accessories.

A wide range of accessories and fittings is on display including a dynamic materials pass box, change room furniture, GRP Terminal HEPA Filters, light units, pharmaceutical doors, a PLC door interlock system and a low level extract panel.



Hungary



In December 2007, the MRC Hungarian office and manufacturing plant successfully moved to new premises at Sóstó Ipari Park. At the same time they were joined by a new Regional Production Manager - István Misius (pictured above).

The factory is currently working on key projects for Pfizer (Sweden), Birzeit (Palestine), Rafarm (Greece) and others.

...and India

Due to our success in India over the last few years with companies such as Cadilla Zydus and Orchid Chemicals, we have now established an office in Chennai, headed up by Dr Ganesan Sridhar.

Until recently Dr Sridhar was General Manager of NeoPharma in Abu Dhabi and he has 29 years of experience in the pharmaceutical industry covering profit centre management, international sales and marketing, new project planning and implementation, production, product development and factory management.

The office provides technical and project assistance to the MRC/SRP team in the region and with such a strong team now in place there has never been a better time to be a MRC customer in India.



MRC NEWS//

ISPE Awards Dinner 2007



The prestigious annual ISPE UK awards dinner and exhibition, held in Manchester in November 2007, was a great success and an excellent opportunity to meet friends.

The conference, titled 'Manufacturing Excellence – Leveraging the Value of Experience' was attended by over 130 delegates, with 45 exhibitors. The day culminated in a black tie awards dinner with Edwina Currie, the former Conservative Health Minister, speaking to an audience of over 500 people.



Keynote Speech at ACRA



In February, Thair Hussain delivered a key note speech on the merits of modular cleanroom construction to the participants of the largest international exposition in India, ACRA. Once again, there was a large participation of exhibitors from all over India and abroad for this prestigious event.

The exposition is held every two years for the air-conditioning, refrigeration, heating and building allied services. It was managed this year by the Southern India Chapters of

ISHRAE in association with the ASHRAE South India Chapter and All India Air-Conditioning and Refrigeration Association. MRC were supported at the event by their agent in India, SRP. MRC extends thanks to them for helping to make the event such a success.



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