

## TETRAPHARMA PROJECT FOR AFRICA

### Essential quality medicines at low cost

Today produce medicines at a low cost is possible, due to the Tetrapharma ability and it's know-how for the realization of pharmaceuticals production centers, which are completely autonomous and with cost prices reduced.

Tetrapharma has planed, realized and tested a pharmaceuticals production centre, working totally against inclination, compared with multi-national pharmaceuticals and with their high prices. The production centre can today daily produce millions of pills and essential drugs, like: antibiotic, combination of vitamin, anti-malarial, anti TBC etc.

Tetrapharma pricelist demonstrates with immediate evidence, that the availability of the medicines is real and their prices extremely reduced compared with the prices practiced on European market. The "Tetrapharma formula" works and is able to solve sanitary problems of enormous seriousness.

Tetrapharma project is split in several principal stages, which permit to hit the aim:

- ✚ Immediate availability of essential drugs at low costs, which can be withdrew in sufficient quantities, compared with the local necessities, by decentralized sediment in any geographic area including AFRICA.
- ✚ Realization of a structure for the correct distribution of medicine and for additional sanitary products (first aid equipment, additional tools as one-use syringe, treatment article or similar) which will be furnished separated.
- ✚ Training of technical and scientific staff for the management of mixture and distribution of medicine in AFRICA.
- ✚ Plan and realization of a local self-governmental establishment directly controlled by Tetrapharma's scientific laboratories in Rome, in order to guarantee absolute excellence quality.
- ✚ Development of drugs production and of new products in relation to the emergent needs in the various areas, especially in case of epidemic.
- ✚ Supply of mini drug-stores with surgery in isolated steel prefabricated in UNI dimension, with gas generator, therefore easily disposable in any place only with hydro access and exhaust drainage pipe.

- ✚ Technical, scientific and management presence for the start up and for the ordinary management and quality control).

The establishment that will be realized – in progressive phase – has advanced technical peculiarities because it has equipments of high efficiency and of easy upkeep (also because of endowment of spare part) and absolute security.

The exigencies of the structure are modest, because of the small surfaces of the buildings and for the limitation of the plant due to the substantial autonomy of the production and mixture engines. We guarantee since the beginning the respect of the procedures and of the hygienic conditions of the production.

## **Tetrapharma project in Africa**

Tetrapharma project has been developed mainly in three step

### **First Stage: Immediate availability of drugs**

Once settled in its entirety, and due to the fact that the need of drugs at low cost is very high, Tetrapharma-AFRICA project started with the realization of a drug store deposit in the forecasted location. This drug store deposit was supplied directly by Tetrapharma establishment and it started in early 2002 with the distribution of medicine, after an adequate staff formation.

Also the professional formation has started in this first stage, beginning from the one forecasted for the second stage: the mixture. The formation was organized locally, and concluded with a stage in Rome.

Meanwhile, we found the ground, identify the urbanization infrastructures and all the setting up of the execution project of the production establishment (structure and plants) in Mogadishu, SOMALIA.

### **Second Stage: Mixture of drugs**

As soon as the distribution of drugs from the drug store deposit has been started, and the peculiarities of the market was identified, it started with the second stage, which foresees the furniture of single capsules and pills, and some personalized mixture. Obviously this stage started only after the ending of the executive phase of the project and the realization of stock compartments for each single product and for the mixture one, and with the construction of our storehouse for final production.

In this stage we also started individual training for a correct machine use, to local personnel. Simultaneously an efficient managing staff was created (administrative and logistic), which started to follow the fulfillment of the project.

### Third Stage: Project realization

The third stage started after 24 months from the beginning of Tetrapharma – AFRICA project.

This stage completed the construction of the building, of about 1.500 mq, complete of testing laboratory, production establishments for raw material, for the medicine preparation and for the mixture.

We built in Mogadishu a simple and rational structure that don't require particular technical ability to be maintained in a good shape.

The plant has two big generators to produce energy by itself. It was also necessary, in order to have a good hydrologic system, to install depurator equipments. The hygienic conditions are guaranteed by the peculiar characteristics of the project and by simple and strict managing standards.

In 2004 we started the first drug production that continued until the half of 2005, when for security reason, we were constrict to suspend our activities.

We are now working to restart the production, that is planned for may the 15<sup>th</sup>. For this purpose, our Italian personnel will fly to Mogadishu on April the 30<sup>th</sup>.