Plants for the Production of Disposable Medical Devices & Pharmaceutical Products
AUSTROPLAN is an Austrian engineering company founded in 1958 by the Federal Government of the Republic of Austria (represented through the Ministry of Finance) and the Federal Chamber of Trade and Industry (Österreichische Bundeswirtschaftskammer).

The original strategy focused on services for international and regional development banks and international organizations. AUSTROPLAN has been commissioned many times as engineering consultants and coordinating organization for Technical Assistance Programmes.

Since 1989, UniCredit Bank Austria AG has held 100% of the company’s shares.

Today AUSTROPLAN provides its multi disciplinary services internationally to private and governmental clients. AUSTROPLAN’s own know-how is supplemented by proven Austrian and international knowledge. Partnerships with experienced experts and companies create the basis for the efficient and reliable elaboration of projects.

AUSTROPLAN has successfully implemented more than 300 projects worldwide and has been entrusted with consulting contracts by nearly all significant international Organizations and Banks.

AUSTROPLAN is a competent partner for the erection, rehabilitation & modernization of industrial plants.
Medical Engineering a Significant Task

The design and engineering of complete plants for the manufacture of disposable medical devices as well as pharmaceutical products demands comprehensive professional knowledge and experience.

Based on many years of practical experience, AUSTROPLAN's experts are internationally recognised and highly qualified to carry out this important task.

Special Technologies

AUSTROPLAN always provides its clients with state-of-the-art technological developments in the field of manufacture of disposable medical devices such as, e.g. syringes, hypodermic needles, cannulae, evacuated plastic tube blood collection systems, infusion and transfusion sets, as well as for the production of pharmaceutical products including parenteral solutions, syrups, ointments, etc. and other items upon request.

Cooperation with Reputable Partners

Our own technical know-how is used in association with internationally reputable manufacturers to ensure optimal solutions for each client's special requirements. This is also the case when cooperating with manufacturers of machinery, with the main objective to provide products of high quality and reliability.
Project Development

AUSTROPLAN’s experts provide professional assistance in defining project ideas and investment opportunities. Once this step has been taken, the specification of the product range and product mix together with the process technology is always carried out in accordance with the client’s individual needs.

Feasibility Studies

The formulation and realization of a project idea into a viable project must comprise all of the relevant external and internal influences and requirements and take into consideration their interdisciplinary dynamic links. Feasibility studies as carried out by AUSTROPLAN are appreciated by all major financial institutions and development organizations.

Financial Engineering

Once a project is defined and the decision to invest has been made, AUSTROPLAN’s experts are in the position to assist the client in finding adequate financing from Austrian and/or international sources.

Establishment of Partnerships

Beyond the usual previously mentioned services AUSTROPLAN assists its clients in finding suitable partners who will provide valuable assistance in later operation, especially in quality control, production and maintenance.
A Wide Range of Engineering Services:

- Overall Project Coordination and Management
- Monitoring of Progress, Quantities and Budgets
- Basic and Detail Design
- Configuration and Specification of Machinery and Equipment
- Evaluation of Tender Documents
- Evaluation of Tenders
- Procurement and Delivery of Machinery and Equipment
- Inspection and Testing
- Training of Production and Maintenance Personnel
- Supervision of Works, Start-up & Commissioning
- Job descriptions for personnel and assistance for recruitment of personnel
- Establishment of Manuals for Plant Operation and Maintenance
- Establishment of Quality Assurance Systems
- Assistance in Product Certification and Plant Validation (DQ, IQ, OQ, PQ)
Consultancy in Raw Material Procurement

Raw materials for the manufacture of medical devices must meet strict quality requirements. AUSTROPLAN’s experts and manufacturing partners, as well as national and international research institutes and laboratories, to which AUSTROPLAN has access, can provide professional expert services for the selection and testing of materials and identification of optimal supply sources.

Management and Technical Assistance

After the successful commissioning of a new manufacturing plant, the technical assistance of an experienced partner is usually of vital necessity. AUSTROPLAN is completely aware of this responsibility – which is even greater in the medical technical plants field than in other industrial sectors – and therefore provides maximal assistance, especially in the areas of hygiene and quality control.

After Sales Service

It is a well known fact that technologies are constantly being further developed, products improved and manufacturing processes perfected.

AUSTROPLAN and its partners are in the position to make such improvements available to its clients by means of regular exchange of practical experience, dispatch of experts and training of personnel.
AUSTROPLAN can provide key equipment for the manufacture of the newly developed AD-syringe which has a simple design, close to a standard two part syringe. Therefore it can be used in the same way as a general two part syringe for any health care purpose.

The AD syringe can be executed with slip luer cone, luer lock system and/or permanently attached needle as well as with a ISO colour-coded plunger rod.

Auto-disable (AD) syringes virtually eliminate the risk of patient-to-patient infection with blood borne pathogens (such as hepatitis B or HIV) because they cannot be reused.

AD syringes are currently the preferred equipment for administering vaccines, both in routine immunization and for general health care.

AUSTROPLAN’s key equipment ensures the production of AD-syringes in consistent high quality standards in compliance with the current ISO standards and WHO specifications as well as to the Medical Device Directive of European Commission for CE Marking.
Large Volume Parenteral Solutions (LVPS)

The importance of parenteral solutions for the use in medical therapy is well known today. Parenteral solutions are used more and more not only in case of epidemics (e.g. cholera) but also in the daily hospital practice, and the need for them is growing every day. Large volume parenteral solutions (LVPS) are vital in the treatment of traumatic shocks of burns with consequence of dehydration. The use of parenteral solutions permits to correct organic dysfunction such as the acid-based or saline balance in the organism, to administer some drugs to the patient and to feed him as well. With this method a considerable reduction of the hospitalisation time of the patient is achieved.

AUSTROPLAN provides all necessary machinery, equipment and know-how for the manufacture of the following LVPS such as:

- Irrigation solutions
- Infusion solutions (plasma expanders, rehydration fluids, nutritional and electrolyte solutions)
- Dialysis solutions (haemo- and peritoneal dialysis solutions)