

High performance Turn-key Lab Solutions

Complete laboratories for the plastic industry



OCS Turn-key Laboratories

When constructing a turn-key laboratory, it is always best to have one company in charge of the coordination. This increases efficiency and assists in attaining the desired outcome. Through experience, OCS is aware that dealing with one company smoothes the progress of the project as a whole, and helps keep the client updated regularly. Under OCS management, all vendors must meet the same high standards of OCS, and the client will have an experienced company in the plastic industry directing the work efforts.



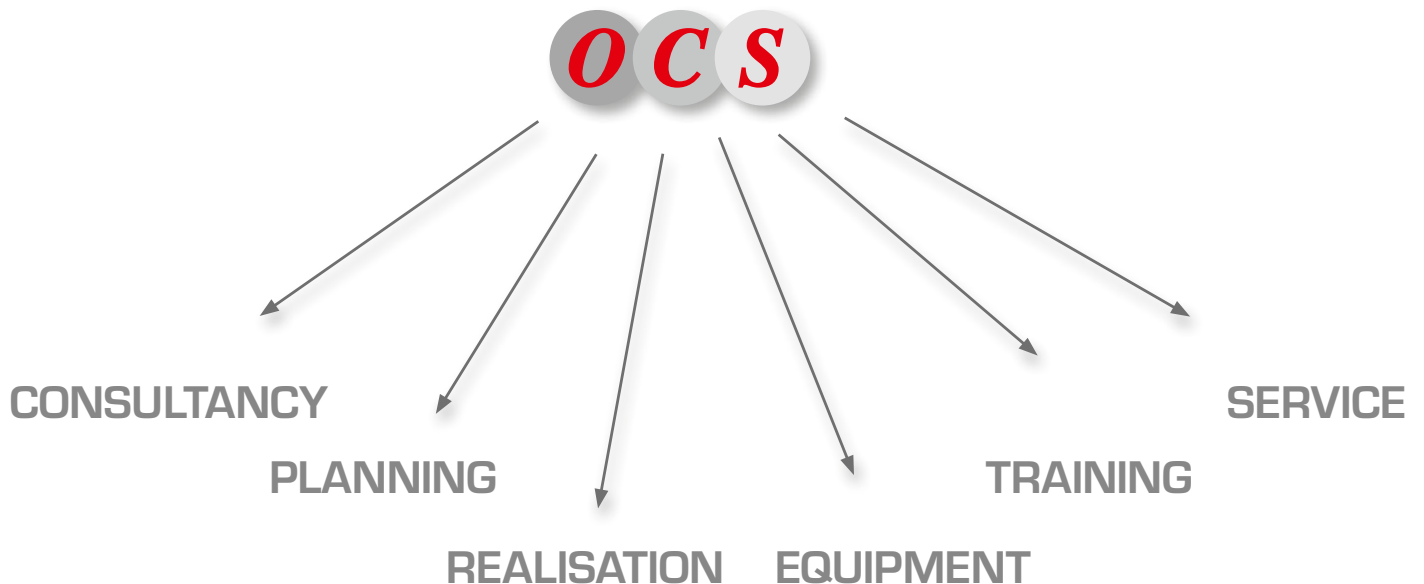


Your advantages

At any corner in this world people are using our equipment round the clock. We can proudly say that our customers use our products with great satisfaction.

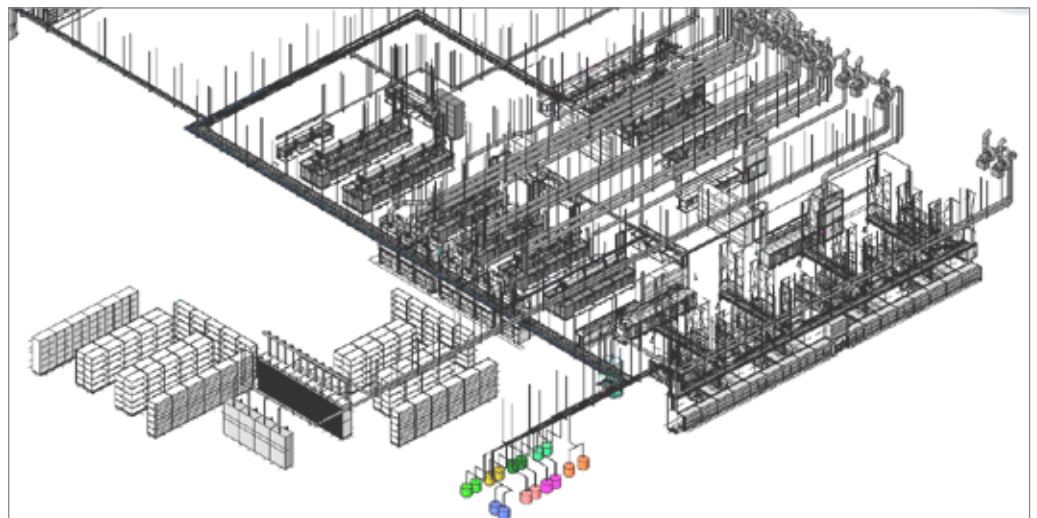
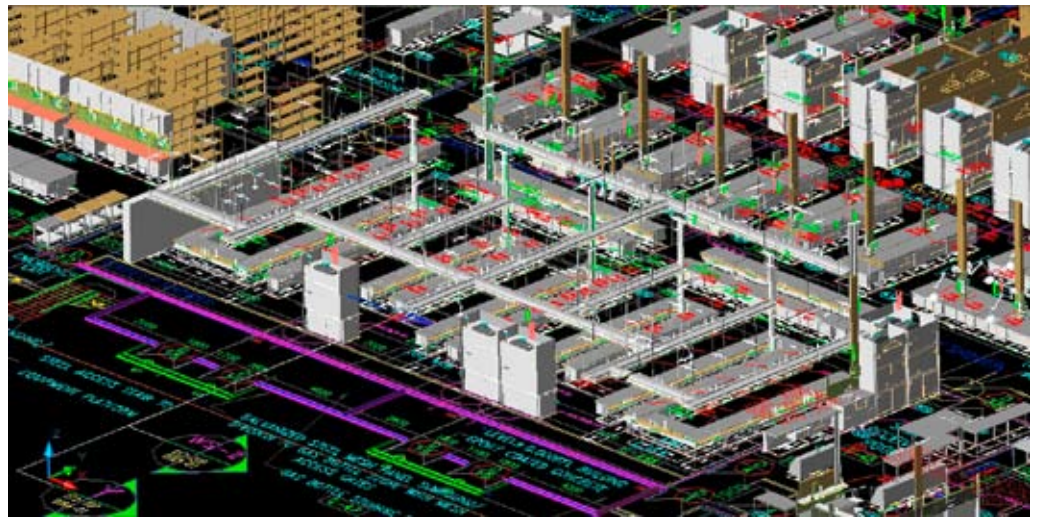
- One contact – one line of communication
- One company liable
- Efficient and fast
- Cost effective and High quality
- A contractor with experienced people who know the plastic industry
- A partner at any time at any place
- A global player with a global network

Overall responsibility from one source



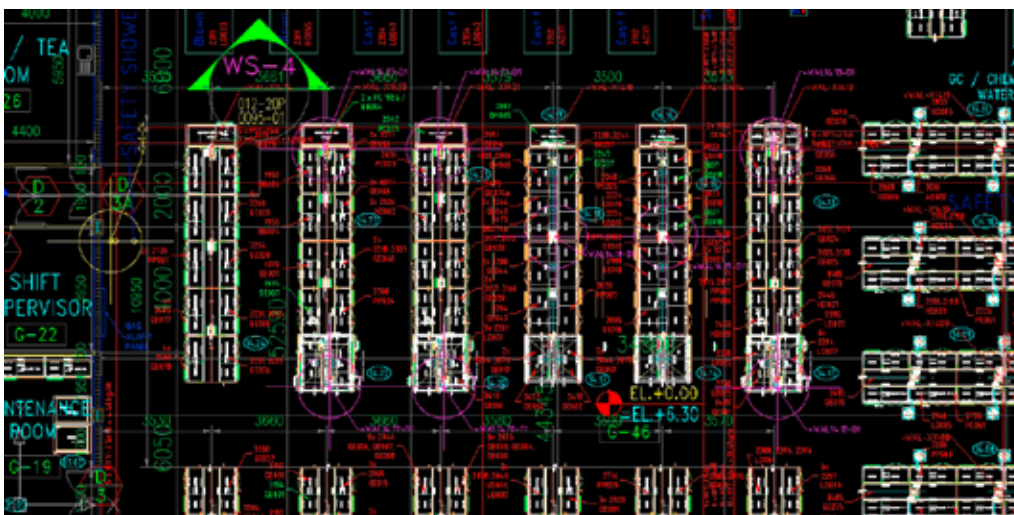
Consultancy

Many aspects are involved in planning a Total turn-key package. For any plastic laboratory project OCS is compiling a tailored package in accordance to the client's needs and wishes. After several iterations with subject matter experts of our clients a proposition is made. Upon the announcement of the tender by the customer, OCS prepares the related documentation and calculates a total price for a bid to the customer.



Planning

In the planning process, it is very convenient to use the visualisation tools, allowing both parties to simulate the final configuration. OCS has a team of experts who can work with state of the art software packages for this very purpose.



Realisation and building phase

During this stage of the project, a lot of coordination is needed in order to assure that the project runs smoothly. Having OCS in charge of the management would be of great advantage to the customer, as it is more convenient and time saving, to have an experienced company coordinate the work, moreover, it would be easier to foresee obstacles and overcome them.



Equipment

Analytical Packages

- Infrared
- Flame Photometry
- Thermal Analysis
- Surface Analysis
- TOC Analysers
- Oil/Grease content Analysis
- Fluorescence
- Atomic Absorption (AAS)
- NMR
- UV/VIS
- FT-IR
- FT-NIR
- XRF
- DSC
- GC
- GCMS
- HPLC
- LCMS
- Multi Purpose Analysis

Polymer Analysers on-/off-line

- Extruders
- Cast Film Lines
- Blow Film Lines
- Chill Rolls & Winder Units
- Film Analysis (Gels, Contamination, etc.)
- Pellet & Powder Analysis (Contamination, Black specs, Degradations, etc.)
- Pellet Size & Shape Analysis
- Pelletizer
- Infrared Spectroscopy for Additives & Density Measurement
- Haze/Gloss Measurement
- Colour Measurement
- Rheology Technique



Analytical Instruments

- Refractometers
- Polarimeters
- Melting Point Determination
- pH/Ion Meters
- pH Control
- Conductivity Analysis
- O₂-Analysis
- Humidity Analysis
- Moisture Determination
- Distillation Analysis
- Titration
- Filtration
- Temperature Measurement
- Liquid Analysis
- Evaporation
- Flash Point Tester
- Microscopes
- Ultrasonic Technique



Material & Polymer Testing Equipment

- Universal Testing Machines
- Lab-Presses
- Friction-/Peel Testing
- Tensile Testing
- Blocking Force
- Injection Moulding
- Pipe Extrusion
- Full Notch Creep Tester (FNCT)
- Melt Flow Indexer
- HDT/VICAT
- Hollow Die Punch
- Density Gradient Columns
- Falling Dart Instrument
- Pendulum Impact Testing
- Hardness Tester
- Density Measurement
- Viscosity Measurement
- Manual and Pneumatic Specimen Punch
- Notching Machine (manual and motorized)
- Sample Preparation
- Heating and Drying Chambers
- Vacuum Furnaces
- High Temperature Furnaces
- Muffle Furnaces
- Microwave Ovens
- Clean-Room Ovens
- Safety Ovens
- Drying Ovens
- Compact Laboratory Dryer
- Incubators
- Laboratory Refrigerators and Cryostats
- Analytical Balances
- Precision Balances
- Micro & Ultra Micro Balances
- Balances for special purposes

Training

Training is provided by experts in the field. The first training session takes place after commissioning in the laboratory is completed. Operators learn more when they are given “hands on” training on their own equipment.

People with many years of experience will guide the operators of the client through all the related procedures and help them to acquire the new technology. Usually it is advised that training takes place in small groups in order for the participants to gain the most knowledge possible. Training sessions include theoretical as well as practical training, whereas the main focus is on the practical exercise. Further training courses for equipment operators and chemists can be provided at company headquarters for the purpose of broadening the scope of knowledge.



Service

After the completion of the training phase OCS provides the client with support during start up. This support includes the following:

- All documentation is reviewed
- Procedures are fine-tuned
- Follow up and communication is maintained
- Feed-back and improvement processes to drive for continuous improvement
- Training in operation, maintenance and trouble shooting

This backup is to ensure that the client gains the most out of each session from the processes in the laboratory and help the laboratory startup become more resourceful and smooth.

We have a common goal; your success is our success.

»*Inspired synergy*«

OCS

YANSAB

HUNTSMAN/SABIC

OMAN POLYPROPYLENE

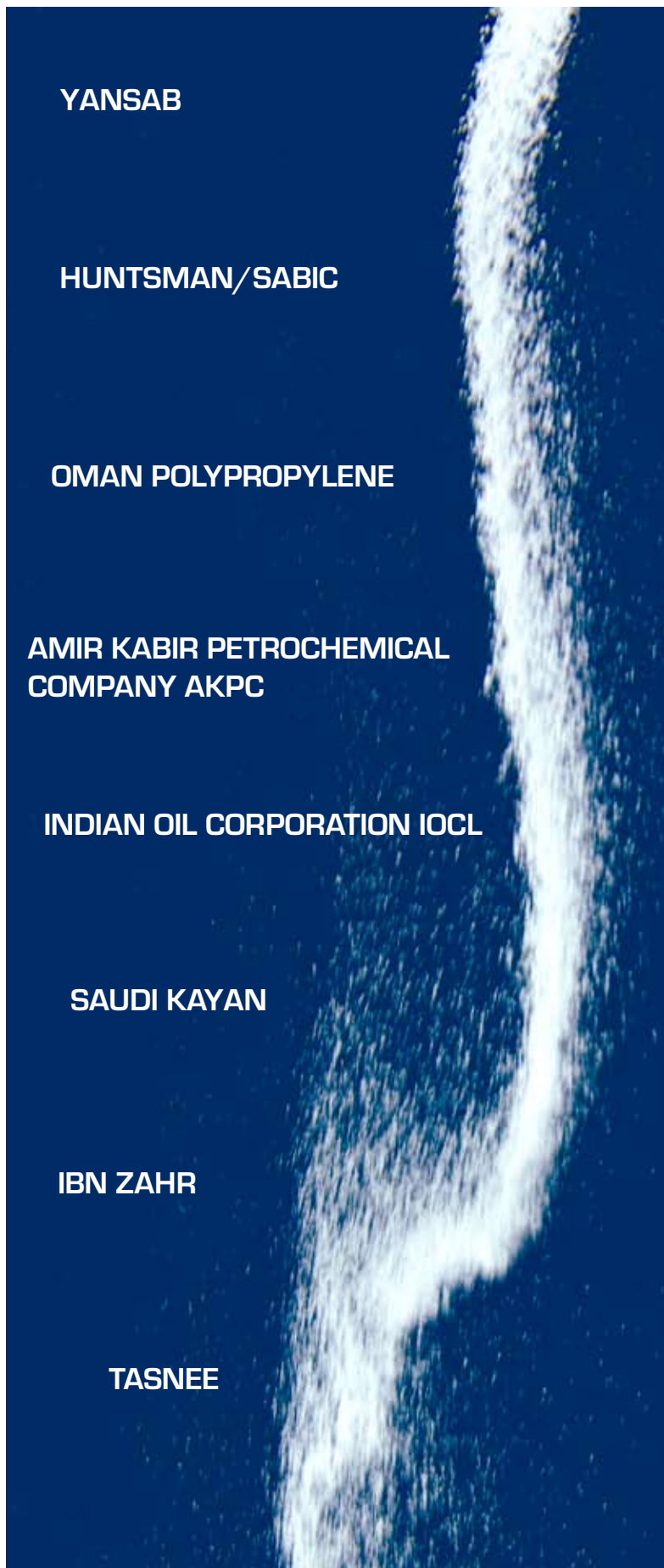
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