



Reliability through Experience

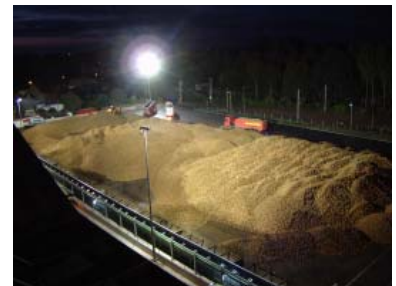
Sugar Technology



Concentrated sugar knowledge....

Beet reception
Beet yard

Dry yard
Wet yard



Beet washing

Prewashing
Washing
Slicing



Cane yard

Adapted to local conditions



.....and specialised Teamwork

Pre-scalding

De Smet Type
Energy recovery



Cane and beet
diffusion

Vertical diffusers
Horizontal diffusers
Beet and Cane diffusers



Purification

**Purification process adapted
to juice quality.**
Energy recovery system



Evaporation

Falling or rising film type.
Tubular or plate bundle.
Energy recovery.



Crystallisation

Horizontal and vertical
Continuous and
discontinuous types.



Sugar drying & cooling

Drum or fluidized bed type



Sugar silo & maturation

Vertical silo
Various conditioning systems



Pulp pressing

Horizontal and vertical presses



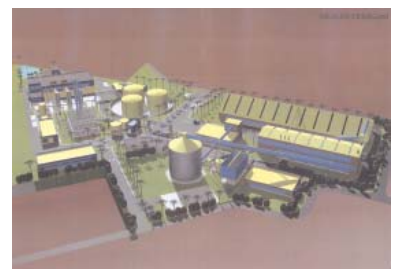
Pulp drying

Drum and conveyor type
Energy recovery



Sugar refining

Process adapted to raw sugar quality and to local conditions.



Water treatment

Process adapted to local requirements.



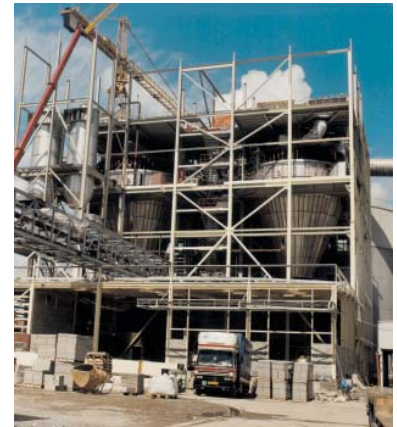
Chicory processing

Inuline and derived product manufacturing

Purification & finishing

Atomizing

Bagging and automated storage

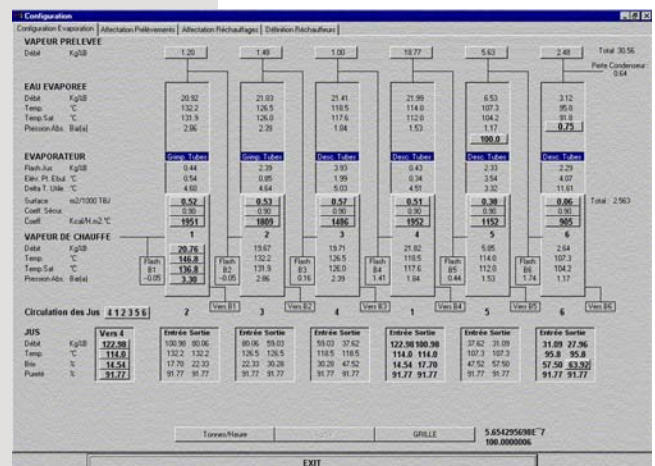


Pilot plant

Special sugar studies

Process optimizing studies

Energy saving studies



Turnkey Projects

Full
Project
Care

Consultancy and studies

Project financing

Project Management

Planning
Organising
Monitoring
Cost control

Design

Process technology
Utilities calculations
Civil engineering



Full
Supply

Full process supply of De Smet technologies

Non-process auxiliaries

Water cooling systems
Steam boilers
Compressed air production
Electric power transformation
and generation
Interconnections, etc.



Non-process sections

Reception facilities
Ship unloading
Packaging
Bagging
Palletising



Full
Responsibility
Concept

Manufacturing
Procurement
Inspection
Reception
Shipping & forwarding
Installation & supervision
Testing & control
Starting-up
Commissioning
Training





DE SMET ENGINEERS & CONTRACTORS has been created in 1990 by the De Smet Group with the intention to have an organisation totally dedicated to large projects, extending its expertise to process auxiliaries, site construction activities and project management.

Oils & Fats as well as **Sugar** have been the core of **DE SMET ENGINEERS & CONTRACTORS'** field of activity. Diversification however has taken place, based on a worldwide competence in project management acquired over the years.

DE SMET ENGINEERS & CONTRACTORS is not only equipment supplier, but well plant supplier and contract manager. It has developed the **Full Responsibility Concept**, based on a comprehensive range of multi-disciplinary resources.

From the initial study to vocational training, **DE SMET ENGINEERS & CONTRACTORS** has the ability and skill to **successfully complete large turnkey projects, even on a greenfield site**, all within the contractual budget and delivery time, whether on its own or in association with other companies.



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