Chemical or quicklime storage, slaking and slurry feed systems.

STT ENVIRO CORP
SYSTEMS & SOLUTIONS

COMPLETE SYSTEMS

APPLICATIONS

WATER TREATMENT:
- Softening
- Coagulation
- pH control
- Silica removal
- Odor and taste control

SEWAGE TREATMENT:
- Sludge dewatering
- Odor control
- Coagulation
- Stabilisation

FLUE GAS DESULPHURIZATION:
- Dry scrubbers
- Coal, RDF and MSW fired
- Waste incineration
- Fly ash recycle systems

CHEMICALS HANDELED:
- Hydrated Lime
- Quick Lime
- Magnesium Oxide
- Soda Ash
- Sulphur
- Polymer
- Plastic Pellets
- Arsenic Trioxide
- Fly Ash
- Alum
- PAC – Powered Activated Carbon
- Cement
- Sodium Sulphate
- Flour
- Salt
- Calcium Sulphate
The right system starts with the right design.

IF YOU ARE THE END USER
A mining, oil and gas, power, pulp and paper or steel company

We are Product Focused:
Our expertise grows through feedback from over 35 years of installing systems worldwide

Customized solutions:
Modular (pre-assembled to the maximum extent practical)

Holistic Design approach:
- Operability (we consider ergonomics, safety, and maintenance)
- Customizable (so you can buy the basics and upgrade later)
- Lower operating costs is the major influencer of design
- We provide on-site support

IF YOU ARE THE EPCM
An engineering company

We are Process Focused:
Our expertise includes numerous engineers and technicians who can provide the support information and documents you require. Timely submittals from a Project Manager and Project Engineering.

- Complete set of deliverables
- Review process
- Professional and easy to work with
- Modular equipment delivery
- Good system design and execution includes
  - ISO 9001: 2008 Certification
  - Corporate quality manual

STANDARD AND CUSTOM DESIGN FEATURES

SLAKERS:
- Detention – ZMI Portec
- Vertical Mill – Metso Vertimill
- Horizontal Mill
- 200 lb/hr (91 kg/hr) and larger capacities

SOLUTION/SLURRY PREPARATION:
- Tankage as required, complete with mixers, level controls and dust control
- Grit removal and collection

SOLUTION/SLURRY FEED:
- Volumetric or gravimetric (loss in weight) screws
- Rotary feeders Weightbelt feeders

FILL AND TRANSFER STATION CONTROLS:
- PLC or DCS/SCADA controlled
- Automatic or manual operation
- Local HMI operator panels
- Local or remote control
- Local switch stations for DCS interface.
- Motor start panels
- Local fill stations

SILOS:
- Factory coated bolted steel silos
- Factory coated welded silos
- Designed for seismic, snow, wind, and product density
- Capacities in excess of 100,000 ft³ (2.832 m³)
- Diameters from 9’ to 38’ (2.75m to 11.58m)

FILL & TRANSFER SYSTEMS:
- Pressure and vacuum conveying equipment
- Fill station controls with hi-level alarm
- Truck, railcar and vacuum unload
- Railcar to truck transfer systems

WITHDRAWAL SYSTEMS:
- Bin activators
- Aeration rings
- Air slides
- Impactors
- Screw augers

Locally represented by: