

BULK DRY CHEMICAL INTEGRATED STORAGE AND FEED SYSTEMS

STANCO PROJECTS



DESIGN • SUPPLY • ERECT • SERVICE **Discover the Guaranteed Fit**

- *Water and Wastewater Treatment*
- *Acid Waste Neutralization*
- *Sludge Treatment*
- *Flue Gas Desulphurization*
- *Metal Precipitation*
- *pH Control*
- *Paste Backfill*

EXPERIENCE AND CAPABILITIES

STANCO knows bulk chemical handling systems. From concept through design, supply, installation and start-up, we have led the industry with practical solutions for over 33 years. STANCO has over 1,000 installations, spanning 5 continents.

Choosing from the industry's widest selection of high performance components, we custom design the system to form, fit and function in *your* process.

For automatic, dependable and efficient operation, discover *the guaranteed fit.*

It's your best choice
....every time

ENGINEERING AND PROJECT MANAGEMENT EXPERTISE

- Multi-disciplined engineering staff
- Dedicated project execution teams
- Broad customer specification compliance capability—all market sectors
- 3-D integrated system design software
- Turn-key system design
- In-house instrumentation and control technologists
- Comprehensive documentation packages



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STANDARD AND CUSTOM DESIGN FEATURES

TYPICAL APPLICATIONS

PARTIAL LIST OF INSTALLATIONS

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 and alarm
- Truck, railcar and vacuum unload
- Railcar to truck transfer systems

WITHDRAWAL SYSTEMS:

- Bin activators
- Aeration rings
- Air slides
- Impactors
- Screw augers

SLAKERS:

- Detention
- Vertical Mill
- 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
- Weighbelt feeders

FILL & TRANSFER STATION CONTROLS:

- PLC or DCS / SCADA controlled
- Local HMI operator panels
- Automatic or manual operation
- Local or remote control
- Programmable controllers
- Local switch stations for DCS interface
- Motor starter panels
- Local fill stations

WATER TREATMENT:

- Softening
- Coagulation
- pH Control
- Silica removal
- Odor and taste control

SEWAGE TREATMENT:

- Sludge dewatering
- Odor control
- Coagulation
- Stabilization

FLUE GAS DESULPHURIZATION:

- Dry scrubbers
- Coal, RDF and MSW fired
- Waste incineration
- Fly ash recycle systems

CHEMICALS HANDLED:

- Hydrated Lime
- Quick Lime
- Magnesium Oxide
- Soda Ash
- Sulphur
- Polymer
- Plastic Pellets
- Arsenic Trioxide
- Alum
- Fly Ash
- PAC-Powdered Activated Carbon
- Cement
- Sodium Sulphate
- Flour
- Salt
- Calcium Sulphate

MUNICIPAL

Edmonton, AB
Sacramento, CA
Atlanta, GA
Los Angeles, CA
Vancouver, BC
Athens, GA
Macon, GA
Portage la Prairie, MB
Jasper, IA
Sioux Falls, SD
Mesa, AZ

OIL AND GAS

CNRL
Shell
OPTI-Nexen
Suncor
Petro-Canada
Imperial Oil
Syncrude
Husky

MINING

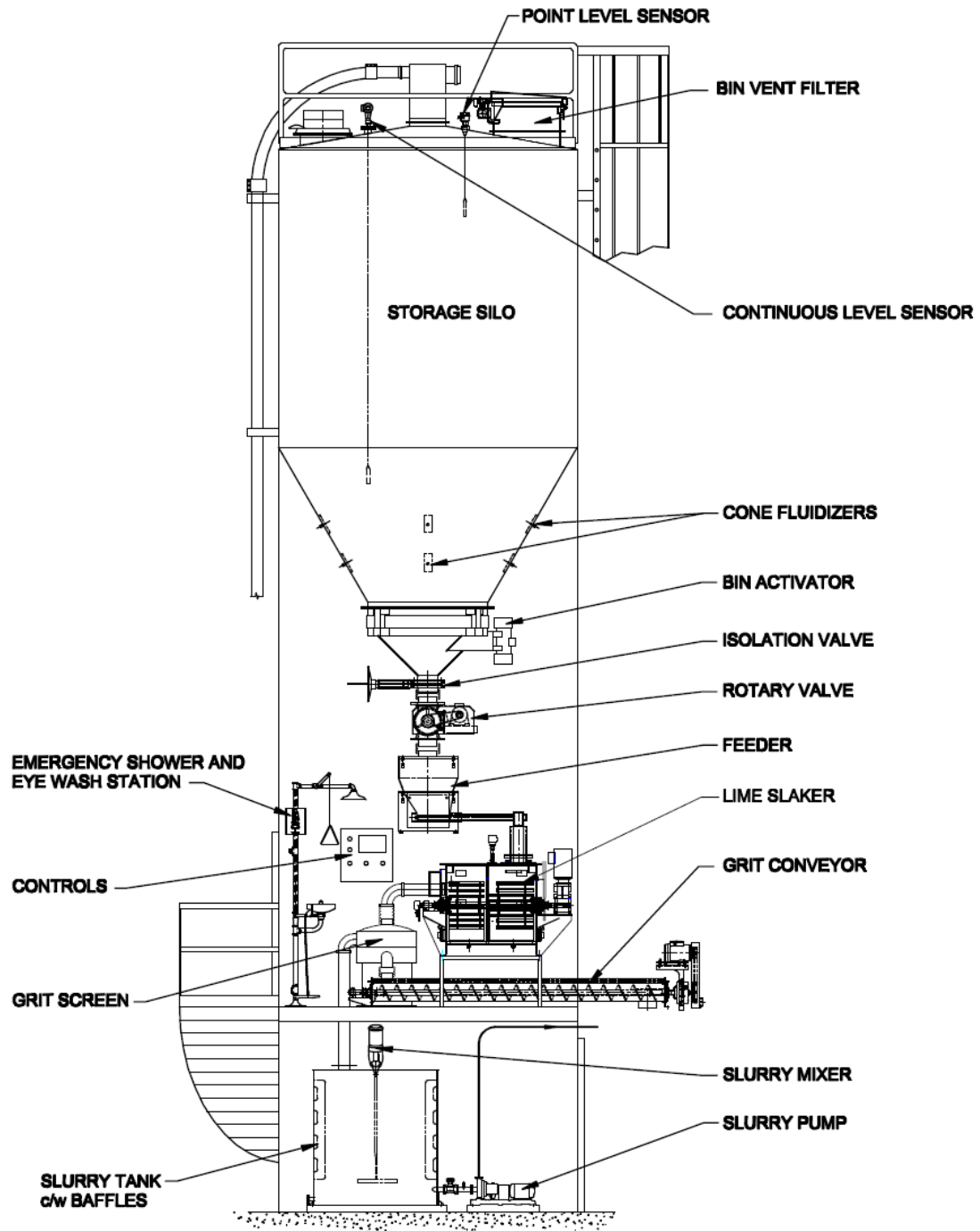
Goldcorp
Barrick Gold
Glamis Gold
Osisko
Newmont

INDUSTRIAL

Amalgamated Sugar
Celanese
Suncoke
Specialty Minerals
McCains
LaFarge
American Crystal Sugar

POWER/FGD

Cogentrix
Covanta
Reliance Energy
AEP
Babcock & Wilcox
Marsulex
Nova Scotia Power



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