



THE NUTS AND BOLTS OF GREEN





“Our products are designed with a conscious effort to reduce the environmental impact caused by industrial emissions and help make our world a slightly better place.”

THE COMPANY

WHO WE ARE

Founded in 1977 as Stanco Projects, our principal area of expertise is the design, assembly and support of handling systems for the reagents (such as lime, soda ash and magnesium oxide) required for environmental applications in mining, oil and gas and other industrial processes. We also specialize in tanks and silos for storage. Each of our systems is custom-designed to meet the unique needs of our customers.

We are a publicly traded company comprised of three business units: STT Enviro Corp Systems, STT Enviro Corp Tanks and STT Enviro Corp Solutions.

IT'S NOT WHAT YOU'VE DONE IT'S WHAT YOU LEARNED

Perhaps the most comforting thing for a client when they choose our Company is not that we have installed over a thousand chemical makedown systems or erected over a thousand tanks and silos, but that we take the time to find out how our solutions worked for the customer in often difficult and complex in-service environments. We don't just have 35 years of history and installations, we have 35 years of customer experience and data collected from real life operations.

OUR UNIQUE END USER CUSTOMER APPROACH

While our clients are often engineering companies, our goal is to ensure we make a positive impact on the end user customer operations – on both a daily basis and over the long term. To help us achieve their objectives we take results from the field and we incorporate them into our design and product improvements. We track data from past installations so we can improve the system efficiency, reduce maintenance and reduce capital costs in order to maximize end user value. Our team is a group of specialized experts who develop customized solutions which incorporate tested modules that will provide the best whole life cost of operating a system.

WHERE WE STAND WITH YOU AND THE PLANET

It is our view that the more we can reduce installation and operating costs of our products in both financial and environmental terms the more we have done to leave the world a slightly better place. We need strong enterprises to provide growth, prosperity and well being in our lives and we also need a habitable planet: One doesn't work without the other. So one of our goals is to reduce the environmental footprint and the other is to help do it cost efficiently.



WHAT YOU WANT TO KNOW AS AN ENGINEERING COMPANY CLIENT

We learned some lessons the hard way. One of them was to make clear what we can deliver to our clients and another was to be sure we understand what our clients want us to deliver which resulted in a list of “The Basics, The Recommended and The Possible”: The questions that need answering upfront. It also provides a useful tool to assess our competition. Ask them what they provide as a base case in their quote. Make sure you get an apples to apples result.

JUST THE FACTS

We design and engineer complete turn-key systems for process reagents used to reduce or eliminate pollutants created during industrial manufacture or mining ore recovery, or oil recovery. The systems include the entire process from: Filling, Storage, Unloading, Feeding, Makedown, Distribution, and Instrumentation & Controls.

Our two main strategies to reduce project capital costs are:

- Engineering time is reduced through modular design elements we then customize to your application.
- We use high quality components but our procurement strategy involves specialist buyers and annual volume agreements to contain costs.

Our product support includes warranty coverage, service, commissioning of the product and ongoing maintenance agreements as well as spare parts.

WHEN TO INVOLVE US

We are of greatest value when we are involved early in the process so we can bring design input which can

save the project time and money through learning we have gained and documented in many other installations. We are happy to bid in any situation, but for best results, collaboration in the planning stage is worthwhile.

A BETTER SOUP STARTS WITH BETTER INGREDIENTS – OUR COMPONENT ADVANTAGE

Our projects have taken us to sites throughout Canada, the United States, Mexico, South America, the Middle East and Asia, so we have components which are built to last.

- Metso Vertimill® slakers – we have an exclusive agreement for North America (non exclusive worldwide) and more knowledge of the best suited applications and installation designs for this product than anyone else.
- ZMI Portec slakers: we bought and improved this product line to make them the best quality slakers on the market.
- CST Storage – the world leader in modular tanks, silos and storage systems.

WHAT YOU WANT TO KNOW AS THE END USER CUSTOMER

While engineering companies are often our clients, the end user customer feedback loop is our key to design and engineering. We can tell you not just what works, but what works for the environment or application you are facing. We provide an integrated and tailored solution that includes engineering, design, sourcing of equipment, project management and also ongoing service contracts. We want our customers to get solutions which can bring operating efficiency, easier servicing and help reduce the entire life cycle costs.

STT ENVIRO CORP TANKS

WE HAVE A PARTNERSHIP WITH THE MOST EXPERIENCED

We have an on-going strategic partnership with CST Storage and CST Covers, the world's only complete storage solution provider of bolted storage tanks, covers and custom aluminum structures. Since it was founded in 1893, CST has designed and manufactured over 275,000 tanks and covers, on five continents.

Our highly qualified tank engineers are always available to assist customers in selecting the right storage tank for their application, be it bolted, epoxy lined, glass fused to steel, shop welded or whatever else might be the best fit for the situation they need to satisfy. That way we can guarantee we'll be providing them with longer lasting, cleaner and more cost efficient products for today – and tomorrow.

A TANK IS A TANK, RIGHT?NOT IF YOU FEEL LIKE A DRINK

If you were given water in a cement container, an iron container and a glass container and all three were put in the window for two weeks, which one would you want to drink from? How about if you set them in the window for two years? We have among other things glass lined steel tanks. Sounds better doesn't it?

As a result of our product depth, we can allow all considerations to go into our tank recommendations because we aren't stuck with only one approach. You give us your parameters and we can give you the best alternative.

IF YOU WANT TO SPEND LESS AND GET MORE, GET BOLTED

If you want to build a 20,000 BBL tank in the most unfriendly northern environment, a bolted tank can be

installed in as little as half the time as a standard on site welded tank. In some cases it can be almost half the price and because they are manufactured in an ISO 9001 certified factory, they also have a coating which will last four times longer than tanks that have been welded and then painted in the field.

The world of SAGD oil recovery needs cost efficient solutions. We have what amounts to breakthrough technology to help you reduce cost while improving tank quality.

SAFER, FASTER AND WINTER TESTED

One of the things we are rightly proud of is our safety record. Instead of expensive cranes and dangerous scaffolding, we erect tanks using a specially designed jacking system. This ensures that our construction team does not leave the ground, and that means that we can construct your new storage tank quickly, efficiently and safely. In addition, we are able to construct these tanks during the cold winter months, saving you costly schedule delays without impacting the quality of the end product.

THE ENVIRONMENTAL CHOICE - ABOVE GROUND, BOLTED WATER STORAGE TANKS

The allowable leakage out of a concrete tank is 1/20 of 1% daily. This may not seem like a lot; however, if you have a 500,000 US Gallon tank, you could be losing up to 250 gallons per day, 91,250 US gallons per year, and a total of 5,475,000 gallons of clean water in a 60 year span. The allowable leakage out of a glass lined bolted steel tank is zero. Above ground, bolted water storage tanks are clearly the environmental choice.





THE “DATA IN” WHICH CREATES GOOD “DATA OUT”

Our Solutions division focuses on aftermarket and lifecycle support for our customers. It is also in a sense “the brains” of the whole company because it is here where the real world performance of our products is measured, analyzed and eventually used to improve our design and engineering. It’s the critical data-in part of the equation.

MOST OPERATORS DON’T HAVE THE TRAINING OR TIME TO LOOK AFTER THE SYSTEM AFTER INSTALLATION

That’s why we created our **Preventative Maintenance Service Contracts (PMSC)** which are structured to assist your in house team to maintain the system so it can continue to function at optimum performance for years. The program helps to both prolong the system’s life and increase its overall efficiency. Importantly, safety issues are routinely examined and key replacement parts lists are recommended to limit emergency downtime due to equipment failure or safety issues. The check list which is completed by our technicians twice a year and three times in the startup year also provides for customer training: A useful element when staff turnover can be an issue for proper operation of the equipment.

SAFETY ISSUES CAN BE THE FIRST CONSEQUENCE OF AGE

The **Mechanical Audit & System Review (MASR)** is a detailed audit of our customer’s lime slaking or chemical makedown system. In many installations, especially older ones, the system requires a much deeper and

more thorough analysis. We have routinely found on site modifications, parts failures, accident damage and a multitude of other problems in our Mechanical Audit and System Review. We provide a detailed report which identifies first and foremost the safety risks and then an inventory of inefficiencies, wear and tear and other matters which can cost you money in wasted chemical or unnecessary system shutdown. We follow up with a consultation and a refit or parts quote which will help you return your operation to optimum performance.

IT’S HARD TO BELIEVE BUT YOU MAY SPEND TWENTY TIMES THE COST OF YOUR SYSTEM IN CHEMICALS

This is why we have started the **System Optimization Study (SOS)** which is performed by a STT Enviro Corp technician. It begins with a Mechanical Audit and System Review (MASR) so that the mechanical issues for process inefficiency can be eliminated. The study’s intent is to reduce the amount of chemical used in achieving the system results required and it includes: Analysis of water quality; quicklime quality; slaking reaction temperature; Chemical reaction analysis; cost benefit analysis.

Once the study is complete, our clients receive a detailed analysis and list of recommendations.

IT MAY BE POSSIBLE TO UPGRADE OR RETROFIT INSTEAD OF REPLACING A SYSTEM

Once MASR and SOS reports have been completed, most customers will require technical support to help them follow through on recommendations from the reports. To assist them, SST Enviro Corp Solutions has established a Project Management team that will:

STT ENVIRO CORP SOLUTIONS

- Review MASR/SOS reports
- Present a detailed overview of the reports to the customer
- Develop a client proposal outlining the scope of the work required to implement the recommendations, plus a cost estimate

R&D FROM THE FIELD TO THE LAB

Ever since we started going into the field to study our customers' systems we realized that there was a huge difference between the qualities of the reactivity of certain slurries when compared to others. This fascinated us and we have begun a lab R&D program to data map the factors affecting chemical reactivity and then comparing it to our field experience. Through this research, we intend ultimately to be able to provide our customers with remote monitoring of their system to allow them to maximize the reactivity of their slurry and reduce their chemical consumption while at the same time making many required maintenance procedures transparent.

REPLACEMENT PARTS AND THOSE CRITICAL SPARE PARTS

STT Enviro Corp Solutions is a leader in parts and service supply for dry bulk storage, lime slaker products

and pneumatic transfer systems, both pressure and vacuum. Through our parts warehouse we can supply industry with everything from rotary and diverter valves to dischargers, receivers and blowers.

We also develop a recommended list of spare parts for every system we build so that even a new system doesn't have to be suddenly shut down if a delivery truck driver damages the upload system or some other freak occurrence leads to unexpected but critical parts damage.

LET US HANDLE YOUR SECONDARY SYSTEM SO YOU CAN FOCUS ON PRIMARY PRODUCTION

We know the systems we design for process reagents (used to eliminate pollutants created during industrial manufacture, ore recovery, or oil recovery) are very much secondary to your primary business process. But they can have a very negative effect on your primary business if they are not working properly. So, engage us for maintenance, or for a system review or rebuild, or for a system optimization analysis or for anything you need to make your secondary system work better and let us help you take away that concern.

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“We are committed to achieving client satisfaction by providing robust products and services which will make the acquisition, operation and maintenance of our offerings, easy and transparent and result in a better whole life cost versus any alternative.”



ABOUT THE NAME

The Company was founded in 1977 as Stanco Projects. We recently changed our name to **STT Enviro Corp** in order to signal a broader business mandate and a change from simply being a good product supplier to a company whose product design and customer support are driven by what we have learned from our customers' experience over 35 years. Our three distinct business units - **Systems, Solutions and Tanks** - each revolve around this principle.

Devon	Husky	Suncor	Syncrude
Cenovus	Nexen	Shell	Conoco Phillips
Imperial Oil	MEG Energy	Barrick	Teck
Newmont	Freeport McMoRan	Rio Tinto	BHP
Osisko	Goldcorp	Kinross	Thompson Creek
Covanta	AEP	PacifiCorp	Cogentrix
Dominion Power	Eastman Chemical	Minnkota	Epcor
Worley Parsons	Fluor	Jacobs	Three Streams
Vista Projects	IMV	Snamprogetti	SNC Lavalin
CH2MHill	M3	AMEC	Bechtel
TetraTech	Marsulex	B&W	Hammon
Clyde Bergemann	Black & Veetch	Horsehead	Weyerhaeuser
GE	Stantec	Aecom	Burns & MacDonald
Suncoke	Babcock & Wilcox	Dow Chemical	Alberta Gas
Placer Dome	LaFarge	Reliance Energy	Cominco
International Paper	Eli Lilly	Celanese	Millar Western

STT ENVIRO CORP - FORMERLY STT SEMCAN & STT STANCO