

# Canadian Construction and Mining News

Spring 2002, First Edition

## This is the first edition of the ITT Flygt Canadian Construction and Mining Newsletter

Welcome to the first edition of the new ITT Flygt Newsletter dedicated to the Construction and Mining market. As a world leader in submersible pumps, ITT Flygt Canada is stepping forward by introducing a biannual publication that will focus on applications, case stories and other helpful information for the Mining and Construction markets.

ITT Flygt has been manufacturing products within this field since the 1940's and is the inventor of the first submersible drainage pump. ITT Flygt has since grown to a world-wide corporation operating in 130 countries.

Today, there are more Bibo drainage pumps in operation around the world than any other competitive brand - hard at work in mines, on construction sites and in drainage facilities. The effluent pumps, slurry pumps, mixers and other accessories complete the range of products offered for any dewatering or process application.

In Canada, ITT Flygt is represented across the country by a network of sales offices and distributors. Within the Construction and Mining markets, ITT Flygt offers a complete range of products capable of handling any dewatering task even under harsh conditions. A wide range of rental units including pumps, mixers and generators are available for short and long term rental.

Finally, the intent of the Canadian Construction and Mining Newsletter is to keep our customers up-to-date on new product introduction and local applications. Focusing on Mining and Construction, the Newsletter reflects ITT Flygt's activities in the Canadian Market.

Louis Dumoulin, Eng.  
Market Manager, Construction, Mining and Industry



### Parrot Cage

The first submersible pump, developed by ITT Flygt

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ITT Industries



## ITT Flygt commemorates 25 years serving the Sudbury Community

On Nov. 29<sup>th</sup>, 2001, the employees of the ITT Flygt sales office in Sudbury, invited their customers to commemorate the 25<sup>th</sup> anniversary of ITT Flygt in this area. Over 125 guests responded to the invitation and came to celebrate this event where a meal, refreshments and door prizes were offered.

Bruce McFadden, the Sudbury Sales Office Manager, and his team were very pleased with the turnout at this event. The evening was a good opportunity to thank our customers from local mines and municipalities for their support over the past 25 years.

## FPC-100: Effective drainage without level control

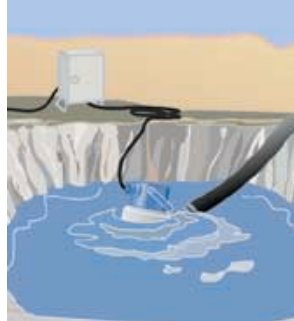
It's a fact that pumps on construction sites and mines are often left operating day and night. Usually they end up snoring most of the time, wasting electric power and causing unnecessary wear to pump parts. The result is high electric bills and increased service costs. Control systems using external floats or level sensors are often impractical in rough temporary surroundings.

Now ITT Flygt has an innovative three-phase pump controller to overcome these problems. The FPC 100 automatic pump control allows three-phase pump operation without using floats or level sensors. When the FPC 100 is installed in the control box, it closely monitors pump operating power, shutting it off when water is not being pumped. The secret is its advanced microprocessor which stores, com-

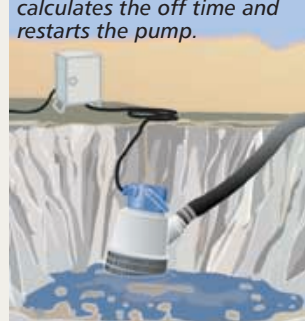
putes and establishes the off time before the pump restarts again. Just drop the pump in, start the FPC 100, with the easy keypad, to avoid unnecessary wear and wasted electricity. It's as easy as that.

Please contact your ITT Flygt Sales Representative for additional information on the FPC 100.

*The pump starts and runs to empty the sumps*



*The pump begins to snore and stops. FPC 100 calculates the off time and restarts the pump.*



*FPC 100 adapts the off time to the same approximate start level independent of the inflow rate. Consequently:*

- high inflow and long pumping operation gives a short off time
- low inflow and short pumping operation gives a long off time



**Consult our internet site at  
[www.ittflygt.ca](http://www.ittflygt.ca)  
 for more information on our  
 products and services.**

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## ITT Flygt at the Canadian Institute of Mining Annual Conference and Exhibit

ITT Flygt will participate as exhibitor at the CIM Annual Conference, which will be held in Vancouver from April 28<sup>th</sup> to May 1<sup>st</sup> 2002. Make sure to visit us at booth number 705 and 707.



### ITT Flygt pumps keep the tunnel dry.

Petro-Canada will be investing 27 million dollars in its Montreal-East refinery, for the construction of an underground tunnel of more than one kilometre.

The tunnel will be used to locate four pipelines that carry fuel between the storage area and the port installations. The tunnel, when completed, will have a depth of 11.5 to 27.5 metres and a diameter of 3.05 metres.

This new tunnel will have an impact on the environment and on the quality of life of the surrounding neighbourhoods. Construction has already begun and the tunnel should be completed before year-end.

At the design stage, BFC Fondation, the selected contractor for this project, contacted Nicole Ouellet, Sales Representative from the Montreal Sales Office to discuss the drainage requirements for the complete project. Based on data available, pump selections were made in order to optimise tunnel dewatering as



Étienne Belley, Foreman and Nicole Ouellet, Sales Representative at the Montréal Sales Office, are shown above in the tunnel, sitting on the boring machine.

construction progresses. Special care had to be taken to avoid sedimentation in the pipe and the installation had to allow for tapping to flush the pipes periodically.

### Sullivan Mine in Kimberley, BC sees last shift

After 91 years of production and adding \$19 billion to the economy of British Columbia, the Sullivan zinc-lead-silver mine has closed down. Once the backbone of Cominco's zinc operations, the Sullivan Mine had been winding down for the past 10 years.

As a part of an extensive decommissioning and reclamation process of the mining site, ITT Flygt recently supplied 3 stainless steel submersible model CP-3300, 88 horsepower pumps. The drainage water from the mine and mill is directed to a reservoir where the pumps are installed. From the reservoir, the water is pumped to the treatment plant.

Due to the acidity of the water, the stainless steel version of the 3300 had to be selected. The Flygt 3300.280 submersible pump is designed to handle corrosive liquids. The major components of the pumps are cast in

stainless steel AISI 329 allowing its use in corrosive water with a pH varying from 3 to 14.



## Focus on rentals

There are many new features to ITT Flygt rental business for 2002. A new Rental Rate Card has been introduced that is easy to use. The card features a quick select chart for pumps and generators. A complete combo package is



available that includes pumps, diesel generators for power, discharge hose with couplings and starter boxes. The new card is available from a local Flygt office, a Flygt Distributor Partner or from the ITT Flygt internet site at [www.ittflygt.ca](http://www.ittflygt.ca).

The Ready line of pumps are now available at more and more rental houses. This complete line of dewatering pumps includes 5 models from .5 to 3.8 HP. The bright red pump will be easy to spot at local rental stores.

For only one pump, or a complete pumping system, renting from Flygt or renting Flygt products has many advantages. Many mines and construction sites use Flygt when the job has to be done right. Long term rentals and rental exchanges are offered.

Flygt can supply a complete range of drainage and specialized pumps, mixers and generators to meet a wide array of applications.



## DEWATERING PROBLEMS AT THE JOB SITE?

# PUMP IT DRY WITH A FLYGT BIBO



**When it comes to dewatering a job site, Flygt Bibo submersible pumps are simply the toughest and most dependable pumps ever made.**

With over fifty years experience, Flygt is the originator of the submersible pump. It stands to reason we wouldn't just let anybody handle our products. That's why our seasoned pros in 13 Flygt service centers and our network of dealers across Canada have the experience to know which Bibo is right for your specific needs. Capacities to 4,500 GPM (284 l/s), heads to 700 feet (213 m), discharge sizes from 2 to 10 inches and motors up to 140 HP. All this plus, you'll enjoy the assurance of Flygt authorized service and rentals. Call us and get the very best of both worlds.

**Specify Flygt... from the pros! [www.ittflygt.ca](http://www.ittflygt.ca)**

Flygt



**ITT Industries**  
Engineered for life