

## **SA HIPPO SUCESSFULLY EXHIBITED AT THE CIM MEMO 2017 IN SASKATOON**

The Canadian Institute of Mining, Metallurgy and Petroleum (CIM) was founded in 1898 and it is the leading technical society of professionals in the Canadian Minerals, Metals, Materials and Energy Industries consisting of 10 Technical Societies and over 35 Branches.

The members of this internationally respected, dynamic organization help to shape, lead and connect Canada's mining industry, both within Canada and across the globe.

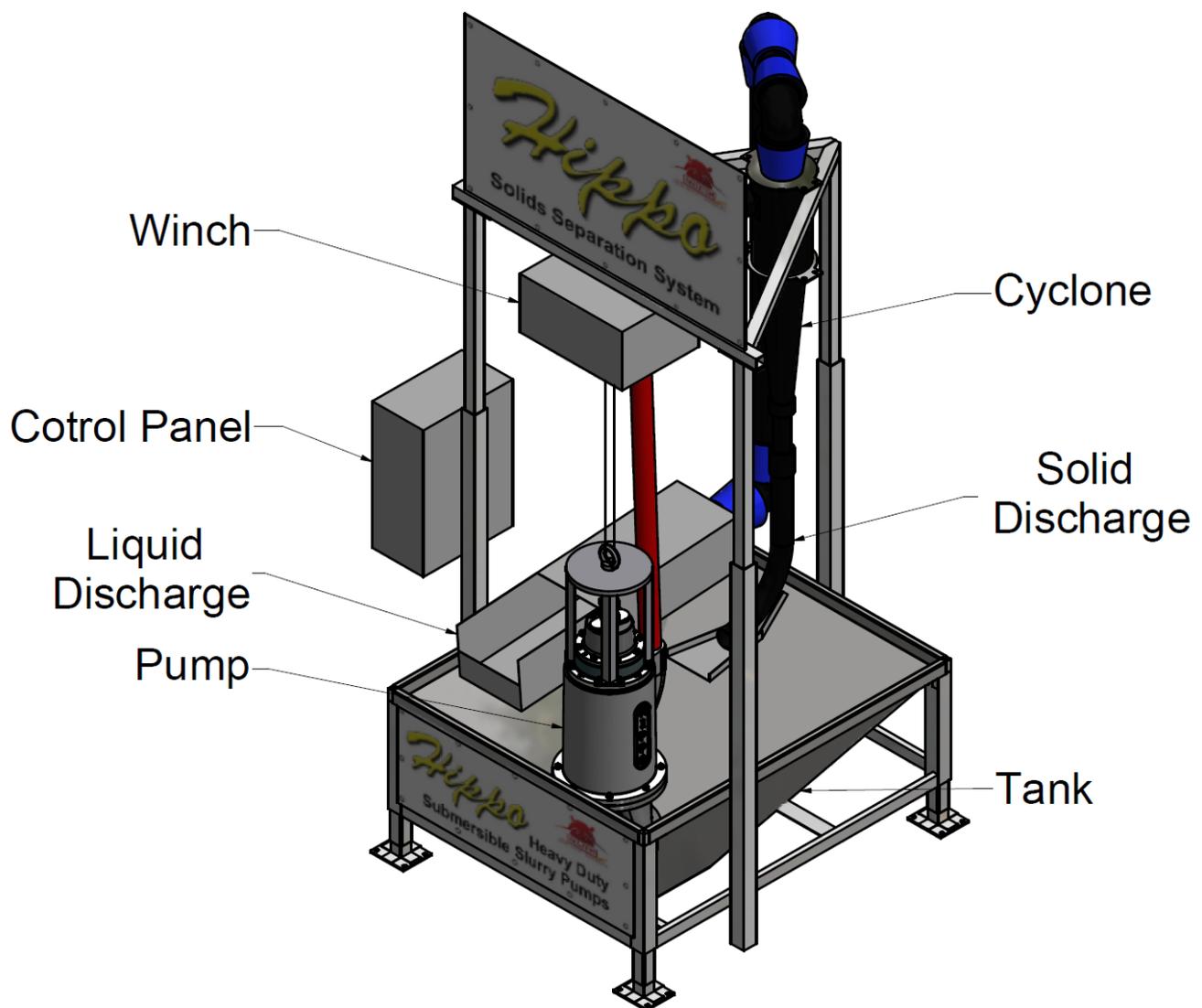
The purpose of the Institute, which always strived to be relevant to a growing and increasingly diverse membership, addresses recurring issues since its beginnings. Its organizational structure, relations within the Institute, membership qualifications, and finances serve a strong governance and management model.

The main CIM convention and exhibition is being held annually and the venue alternates between Vancouver and Montreal, but since Canada is such a vast country the CIM endeavors to reach the customers in most territories and therefore interim exhibitions are being held in various other important cities and the CIM MEMO 2017 was held in Saskatoon from 24 to 26 September 2017.

HAZLETON PUMPS, the South African family owned and managed company, has successfully participated at the CIM MEMO 2017 exhibiting the *HIPPO* Submersible Slurry pump range with the capabilities to pump liquids containing solids.

The capabilities to pump slurry is demonstrated with a model of the solid separation pumping system specifically demonstrating one of the most important mining applications where the liquid containing solids is separated from the liquid in one simple process.

### The model of the HIPPO Solid Separation System



A working model of the HIPPO solid separation pumping system is installed in a tank and uses a small *HIPPO* submersible slurry pump to pump the liquid containing solids to the cyclone where the solids are separated from the liquid. The separated solids and liquids are returned to the pump to be re-mixed, repeating the process for demonstration purposes.



The working model of the solid separation system demonstrating the separation of the liquids which is discharged to left of the pump and the solids to right of the pump.

HAZLETON PUMPS manufactured its first flameproof pumps in 1993 and the company continually researched ways to improve the safety features of the HIPPO Flameproof Submersible Slurry Pump range.

In order to move the HIPPO Flameproof Submersible Slurry pump effectively around underground a Flameproof Submersible Pump System was developed.

This system consists of a HIPPO Flameproof Submersible Slurry pump mounted on a skip that can be moved with a tractor to reach the various places where nuisance liquid is present that needs be removed and only needs to be plug into an electrical supply point and connected to an outlet pipe.

In areas where a tractor cannot be utilised to move the skid mounted HIPPO Flameproof Submersible Slurry pump system a trolley mounted Flameproof Submersible Slurry pump system could be provided which can be moved around by hand.

To protect flameproof submersible pumps, it is also essential to have a flameproof electrical control panel installed as close as possible to the pump. The control panel needs to firstly have overload protection, secondly a sensing device to measure when the mechanical seals have failed and thirdly a relay suited to the thermistors to prevent the electrical winding overheating.

At the CIM MEMO 2017 HAZLETON PUMPS also introduced this innovation and various attendees showed a great interest in the Flameproof Submersible Pump System.

# Hippo

## Flameproof Submersible Slurry Pump Systems



Proudly designed, developed and manufactured in South Africa



Hippo Flameproof  
Trolley System

- Built to Flameproof Standard IEC60079 - 0 & 1
- Designed to efficiently and effectively pump high density abrasive and corrosive slurries
- Proven reliability as a result of unique design features
- Can operate at partial flow and can "run dry" continuously

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Hippo Flameproof  
Skid System

Saskatoon is the capital city of Saskatchewan, situated in the heart of the Canadian mining industry. There are more than 25 operating mines in this central province of Canada including potash, uranium,

gold and coal mining and related mineral processing industries. The majority of the visitors represented the coal mining industry based in Alberta and British Columbia whom showed a great interest in both the Solid Separation System as well as the Flameproof Slurry Submersible Pump System.

HAZLETON PUMPS is of opinion that it is essential that the company maintain a high visibility which assists in the growth of sales in Canada and therefore attends all the major exhibitions related to mining industry wherever possible.