

MVSSA - Free State Branch Newsletter



The Mine Ventilation Society of South Africa Free State Branch - Technical Visit to MANOS Engineering



You are hereby cordially invited

To: **Manos Engineering**

Date: 31st October 2025
Time: 10:00
Address: No5, 10th Street, Voorspoed Welkom
RSVP: 27th October 2025
Cell No: 072 724 3079
Email: jwiese@bbe.co.za



Welcoming & Host presentation

Technical Visit

The MVSSA FS Branch held its 3rd technical visit for FY 26 on the 31st of October 2025 at Manos Engineering in Welkom.

The FS Branch Chairperson Aldo Oosthuizen convened the meeting in a rather rainy day and expressed his sincere gratitude on behalf of the committee to all members and visitors for participating in the technical visit. "The aim of the visit was to give insights of learning day for our members". Majority of the Freestate Mines use cooling cars as a mechanism for spot cooling at various workplaces. Ventilation professionals work daily with these products and when one sees the beginning and final product when a cooling car is manufactured. Present members were taken through the Manos Engineering workshop, simultaneously with a presentation of their various assembly points. Good interaction by the members and numerous questions throughout the different processes of manufacturing. The visit was well attended with **32 attendees** from various mining houses within the Free State.

The Managing Director, Mr Brian Wood gave an overview of the company established in 1981. Using two types of cooling cars, the Radian Coils and Mongoose type coils. As time went on, they also manufactured in-stope cooling coils, mostly used in stoping areas for spot cooling. The walk through the two areas namely: old cooling gets stripped to remove radioactive particles which may be present in the coils, second area were refurbished parts are put together to form a brand-new equipment ready to be utilised underground. In addition to cooling coils, we are able to repair and manufacture hoist coolers and compressor inter and after coolers. Most of the tubing used in the manufacture of our cooling coils is copper extruded Hefin tubing which is manufactured in Germany and sourced from their local branch in Johannesburg, Wieland South Africa (Pty). We have manufactured and exported cooling coils to diverse locations as far afield as Fiji and Tanzania.



Factory Walk-through

Photography Disclaimer Please note that photographs taken at this event may be used in our newsletters, website, and other promotional materials. We have made every effort to respect individual privacy. If you appear in any photograph and do not wish for it to be published or would like it removed, please contact us and we will take prompt action



Factory Walk-through



What's Next?



FY 2026 Planning

- 🏆 16 May 2025 – Phakisa Mine Ice plant visit
- 🏆 25 -27 June 2025 – MVSSA Conference
- 🏆 11 July 2025 – UVSS site visit at Hennenman
- 🏆 08 August 2025 – Women's Day
- 🏆 26 September 2025 – FS Golf Day at Parys
- 🏆 **24 October 2025 – MANOS Engineering Technical visit at Welkom**
- 🏆 November 2025 – ABC Technical visit - Postponed
- 🏆 15 December 2025 – Committee physical meeting & planning
- 🏆 30 April 2026 - AGM

The MVSSA FS Branch committee and members would like to thank Manos Engineering for the visit and hospitality



MVSSA FS Branch Committee members attending & leading the visit



Membership

Submit your membership form along with following to jwiese@bbe.co.za:

- Copy of your ID
- Practical, Intermediate and Advance certificate in MEC
- Alternatively, a degree or diploma
- Signed copy of the code of conduct on the website below

BENEFITS OF BEING MEMBER

-  Previous Exam Papers
-  Discount rates on your Study Material
-  Exam Seminars
-  Technical Visits
-  Journals - Industry information

THE MINE VENTILATION SOCIETY OF SOUTH AFRICA

The Station Roadside, 89 Bram Fischer Drive,
Randburg, 2194, Johannesburg, SA



DIE MYNVENTILASIEVERENIGING VAN SUID-AFRIKA

☎ +27 (11) 088 0800
E-mail: admin@mvssa.co.za or secretary@mvssa.co.za

Application for Admission to Membership or Transfer of Grade of Membership

This application must be endorsed by a Fellow of the MVSSA. Applications for transfer to the grade of Fellow must be endorsed by an additional MVSSA member. In instances where this is not possible for any reason, candidates may submit this application form duly completed as far as possible and contact the MVSSA Office for assistance with the necessary formalities.

Application in terms of the Constitution of the Mine Ventilation Society of South Africa for:

Admission as Student Member
Transfer to Grade of Associate
Transfer to a Retired Member

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☐
☐

Admission to Grade of Associate
Transfer to Grade of Member
Admission from a supplier

☐
☐
☐

Admission to Grade of Member
Transfer to Grade of Fellow

☐
☐
☐

Were you previously a member of the MVSSA? Yes ☐ No ☐ If "YES", please supply your membership number

PERSONAL DETAILS

Title Initials Date of Birth / / Male ☐ Female ☐
Surname Racial Group
First Name(s)
ID Number Nationality

CONTACT DETAILS

Int Code Local Code Number PREFERRED BRANCH
Land Line Colliery ☐ Northern ☐
Mobile Free State ☐ Western ☐
E-mail Address International ☐ Eastern ☐

Address for general communication

Postal Address	Postal Address
Postal Address	Postal Address
Postal Address	Postal Address
City	City
Province	Province
Country	Country
Postal Code	Postal Code

Address for INVOICE (EMPLOYER ADDRESS)

COMPANY / EMPLOYER / AFFILIATION DETAILS

Company Name VAT Number (for invoice purposes)
Department Position

QUALIFICATIONS

Qualifications	
Professional Affiliations	
Discipline	
Field(s) of expertise / interest	

Note that admission to the Society is conditional upon a) submission of certified copies of qualifications and b), payment of subscription fees, within three months of the date of confirmation of MVSSA Council approval.

DECLARATION BY THE APPLICANT

I agree that, in the event of my admission to the MVSSA, I will be governed by the Constitution and By-Laws of this Society and that I will advance the objects of the Society as far as shall be in my power. By signing this application form, I the applicant, certify that the statements made by me in this form are true.

/ / 2026
(Signed at) (Signature) Date

RECOMMENDATION OF SUPPORTER(S)

From personal knowledge of the applicant and in consideration of his/her qualifications as stated herein, we recommend him/her to the Council of the Society as being a fit and proper person to be admitted as Student ☐ Associate ☐ Member ☐ Fellow ☐

Endorsed by / / 2026
(Name in block letters) (Member grade / number) (Signature) Date

ACCEPTED AS
Student ☐
Associate ☐
Member ☐
Fellow ☐

BRANCH
Colliery ☐
Free State ☐
International ☐

FOR OFFICE USE ONLY
Northern ☐
Western ☐
Eastern ☐

SIGNATURE: CHAIRMAN
MEMBERSHIP COMMITTEE

DATE / / 2026



PRODUCTS HIGHLIGHT



Established in 1981, Manos Engineering has developed into the leading supplier of closed circuit heat exchangers to the South African Mining Industry.

A unique computer program which has evolved over some 30 years is used to accurately predict the performance of the heat exchanger at prevailing underground conditions.

We pride ourselves on being able to supply a complete service, from the design stage of your cooling needs to delivery of the finished products.

We are able to supply performance graphs of all our cooling coils, showing exactly how they will perform at your specific environmental conditions.

In addition, we are more than happy to provide additional performance information once the cooling coils have been installed in their working environment.

525 kW Coil

The 525 kW is a nominal rating and is subject to the difference in temperature between the incoming water and incoming air temperature, the "driving force" for heat exchange.

Provide us with your environmental parameters and we will determine if your coil is performing up to design specifications.

Water & Air Flange Requirements,

We will tailor the manufacture to suit your requirements, including specific rail gauge wheels, specific hole drilling on the flanges etc.

Performance Has Fallen Sharply On Coils,

Cooling coils need to be refurbished every 2-3 years, depending on the environment in which they work.

When were the coils last refurbished?



