

Blick Engineering for HDD seminar

Blick and M-I Swaco are proud to present the inaugural **one day seminar** on the engineering, investigation and design factors that lead to HDD success.

This seminar is for **consultants, design engineers** and **project managers**.

Course content:

- **The HDD drilling process**
- **Recognise the influence of alignment**
Grade, bend radius, depth of installation etc. to design more effective bores
- **What value does good quality geotech reporting add?**
Considerations for fluid design, stabilising the formation and requirements for hydro-fracture modelling
- **Pressure in the hole, too little or too much**
Avoiding hydro-fracture and using Virtual Hydraulics software for hole cleaning and pressure simulation
- **Why does pipe get stuck?**
Poorly designed fluid, rate of progress over hole cleaning

You will understand:

- The value of good quality geotech information, to allow hydro-fracture modelling to inform the design
- How methodology influences the success of the bore
- How an effective fluid system can mitigate risk and improve outcomes
- An overview of the onsite data acquisition required for a successful HDD project including: fluid properties, torque and drag, pump flow rate and pressure and rate of penetration (ROP) etc.

Spaces are limited - enquire today, or chat to the team at the Water NZ Conference

- **Investment:** \$1250 + gst
- **Time:** 8:30am - 5:00pm
- **Location:** Blick, 21 Kahu Crescent, Te Rapa Park, Hamilton, NZ

Presented by:



Sam Rowdon
HDD Project Lead for Asia and South Pacific, **M-I Swaco**

Sam has a Bachelor of Engineering (Civil) from The University of Auckland, and completed M-I SWACO drilling fluid engineering training in Houston. Sam and M-I SWACO partner with Blick to provide engineering consultancy services to three waters contracts across New Zealand and Australia.

Supported by technical experts:



Tim Babbage
General Manager, **Blick**

Tim is the go-to for vertical and directional drilling - focusing on drilling fluids and down hole tooling.



Jon Speedy
Sales Director, **Blick**

Jon deals with the mineral coring, waterwell and directional drilling markets from Christchurch.



Clay Adams
Technical Sales Manager, **Blick**

Based out of Hamilton, Clay services the north island vertical and directional drilling markets.