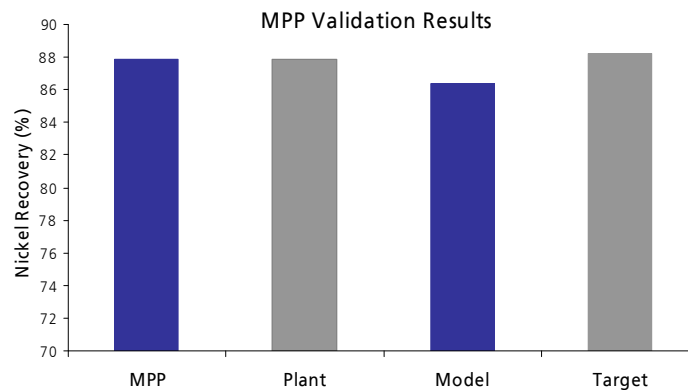


# Mini Pilot Plant Testwork Services...

The use of flotation Mini Pilot Plant Technology (MPP) has become increasingly popular as an alternative to conventional piloting. The XPS Mini Pilot Plant includes grinding, feed preparation, conventional cell flotation in two Continuous Flotation machines, pin mill regrinding, column flotation, reagent delivery, PLC control and PI data collection at a throughput rate of 7-18 kg/hr. The equipment is flexible and can be configured to simulate almost any flowsheet.

Multiple pilot runs can be performed on various ore types to establish variability. Samples are typically composites derived from drill core ensuring representivity and cost effectiveness.

XPS' MPP technology has been implemented and proven since 2004 where we have optimised existing flowsheets and developed flowsheets for new concentrators for our clients. Quality Control methods and sampling strategies have been developed to ensure the metallurgical statements of grade and recovery are repeatable and at High Confidence.



MPP technology is a proven technology. Testing and verification using a complex nickel ore against plant performance with validated scale up parameters is shown in the graph above.

## Key Capabilities:

- Small sample requirement, use of drill core for piloting purposes (750 kg vs 10 tonnes)
- Flexibility of multi-process configurations
- Lower cost compared to conventional piloting
- Demonstration of flowsheet changes with an existing operating concentrator for development and verification
- Reliable and consistent operation for reproducible results
- High confidence statements of grade and recovery
- Ability to pilot various flowsheet options with different ores (Variability Analysis)
- Quantify design parameters such as retention time and reagent consumption
- Scale up proven and demonstrated



For further information on XPS Mini Pilot Plant testwork services please contact:

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...Reducing risk"