

## Asia Pacific Jakarta Technology Centre Capability Statement

Jakarta, Indonesia



### Global Leader with Extensive Local Services

Metso Technology Centres are committed to providing the highest standard of testing to support our technologies. Our goal is simple: precision in equipment selection and sizing, as well as steadfast support for your existing machinery.

Metso has more than 20 years' experience in providing high-quality testing for clients and industry. As part of Metso's global technology centre network, we bring you the best practices and innovations from across the globe. All tests adhere strictly to Metso's specifications, ensuring the highest standards and consistent, high-quality results.

At the Jakarta Technology Centre, our test work is carried out to the same exacting standards worldwide to deliver the value, consistency, reliability and safety that our customers expect and rely on.



### Enabling Sustainable Modern Life

We aim to be a sustainability leader in our industry and our strategy identifies sustainability as one of our four strategic priorities. By innovating new and advanced technologies and by improving our ways of operating, we help to create a more sustainable future.

That's why we are the  
**Partner for Positive Change.**

Metso  
**PLUS**

# Metso

## Jakarta Technology Centre: Your Trusted Partner

Our Jakarta Technology Centre is dedicated to servicing our mining customers in Indonesia and the surrounding Asia Pacific region. We offer a comprehensive range of filter testing services to optimise existing equipment and assist with new equipment sizing.

Beyond our Jakarta Technology Centre, we provide on-site testing options and collaborate with commercial labs, seamlessly integrating our expertise into your projects.

### Filter Testwork



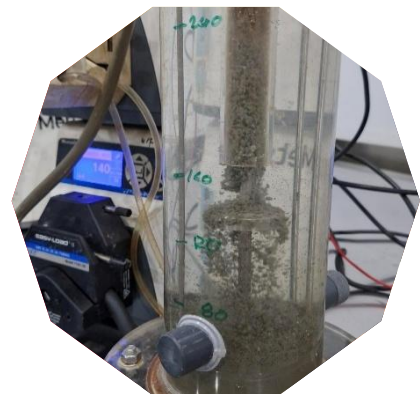
Metso designs, manufactures and supplies industrial filters, and is a leading full-service filtration solution provider in solid and liquid separation for mining, metallurgy and chemical processing and related industries.

Following test work, a report is provided outlining the recommended filter type, technical and economic benefits, and potential process improvements.

### Thickener testwork

Metso designs and supplies thickening and clarifying solutions for the mining, chemical, and wastewater industries.

Bench- or pilot-scale testwork is used to determine the optimal thickener size and expected performance. A detailed report is provided with recommended solutions and their technical and economic benefits.



### Our QEHS commitment

At Metso, we prioritise the health, safety, and well-being of our employees, customers, and partners. We not only comply with local government regulations but also uphold international quality, safety, and environmental standards. Metso Jakarta maintains ISO certifications in Quality (ISO 9001), Environment (ISO 14001), and Safety (ISO 45001) through yearly surveillance audits by ISO external auditors.

## What's Included in the Test Reports?



Fine Grinding

- Performance curve: Specific power consumption (kWh/t) versus P80
- Feed solids %w/w or volume % v/v
- Feed F80
- Product P80
- Grinding media size and specific gravity
- Grinding media charge % v/v
- Scalable results for full capacity application
- Prove and demonstrate Metso fine grinding technology performance



Thickening

- Flux rate
- Optimal feed solids
- Liquor rise rate
- Type and dose of flocculant
- Underflow density
- Yield stress of underflow
- Overflow solids content
- Scalable results for full capacity application
- Prove and demonstrate Metso thickener performance



Fine Flotation

- Achievable grade of targeted minerals/ elements
- Achievable recovery of targeted minerals/ elements
- Grade vs Recovery
- Recovery vs number of Blast tube passes
- Selectivity of targeted minerals
- Tested reagent regime
- Tested Concorde™ parameters
- Raw chemical analysis
- Scalable results for full capacity application



Mining Filtration



Industrial Filtration

- Most appropriate filter type for the application
- Specific filtration capacity
- Cake thickness
- Achievable moisture content
- Achievable filtrate clarity and solids content

- Wash efficiency and wash liquor consumption
- Cloth or filter media type required to achieve targets
- Scalable results for full capacity application

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