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LEADING INTEGRATORS OF  
SENSOR-BASED SORTING  
TECHNOLOGY

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**IMILINGO**  
Mineral Processing

## THE IMILINGO LEGACY

Imilingo is driven by an 'anything is possible attitude' and our vision is to be the leading integrator of sensor-based sorting technology and the latest innovations in dredging. We specialise mainly in diamond and coal sorting and also address sorting of heavy metals. As a mining company with an engineering background, we offer a full spectrum of customised services, ingenuity and innovative products to address the complete project lifecycle, from business concept to study and through to execution, with the ultimate goal to maximise the potential within each opportunity.

**PROMISE** Imilingo is equipped to revolutionise your mining operations, increase productivity and maximise your return. We pride ourselves on RELIABILITY and DURABILITY.

**MISSION** To provide our customers with fit-for-purpose, sustainable, effective and profitable solutions that are uncompromising in quality and performance. We are execution driven and strive to generate long lasting value while always staying committed to safety, social and environmental responsibility and operational excellence.

**SERVICES** EPCM or EPC for a full turnkey solution. Including Project Management, Execution, Technical Analysis and on-site Support while making sure your business requirements are met with our custom products and solutions.

**PRODUCTS** Innovative modular material handling products – iPlant™, iFeed™, iConvey™, iDaisyChain and iScreen™ developed to operate in the harshest environments. We also offer dredging solutions in collaboration with leading submersible pump suppliers and our latest innovations include the iDredge™ and iDredgeXRT™.

# INNOVATIVE MODULAR SENSOR-BASED SORTING SOLUTIONS

iPlant750™



- Modular plant components
- Each module stand-alone with full electrical integration
- Exceeding all governmental and industry Health and Safety requirements
- Fully mine-proof meeting the most stringent specifications
- Plug-and-play combination of modules via iDaisychain™
- All modules pre-assembled and factory tested
- Modules break down to fit into standard 40' sea-freight containers
- 12 month warranty

# EFFECTIVE, RELIABLE AND DURABLE TECHNOLOGY

## iFeed™

- 750mm wide belt feeder with 250t/h feed capacity
- 8m<sup>3</sup> surge bin with bin level visible to loader operator
- Non-blocking feed grizzly (200mm aperture)
- Full electrical integration with circuit breakers, VSD, e-stops and lighting
- Return belt cover
- Galvanised or painted frame, walkways and hand railings
- Scraper at head pulley
- Ceramic lagging on crowned head pulley
- Diamond rubber lagging on crowned tail pulley
- RIPROTECT™ belt saving guides
- Ready for interlocking via iDaisyChain™



## iDaisyChain™

- Plug-and-play interlocking of iPlant™ Modules
- Auto-start and stop for entire plant
- Indication of e-stop and trip status
- Remote e-stop of entire plant
- Simply connect each module in series and terminate with iDaisyChain-CON™ control panel
- iDaisyChain-EXT™ Integrator panel for external process modules
- 300m of power and signal cable included



## iScreen™

- Screening requirements vary based on material PSD and a vibrating screen is sized and integrated into the iPlant™ for each specific project.
- Mechanical integration together with EC&I integration via iDaisyChain™

## MODULAR AND EASY TO TRANSPORT TECHNOLOGY

iConvey750™



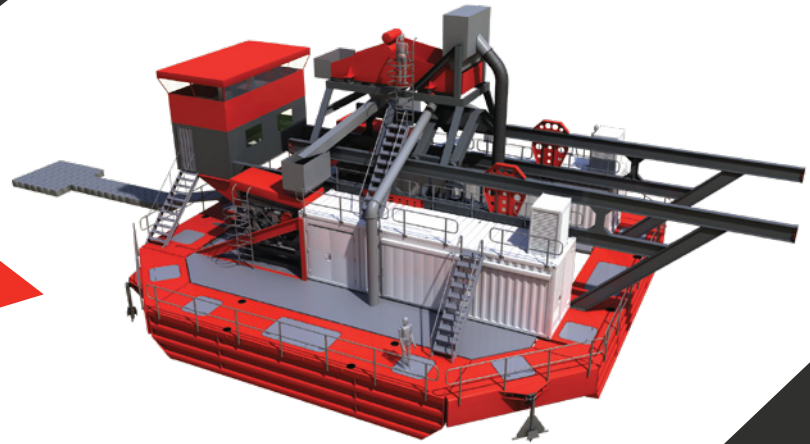
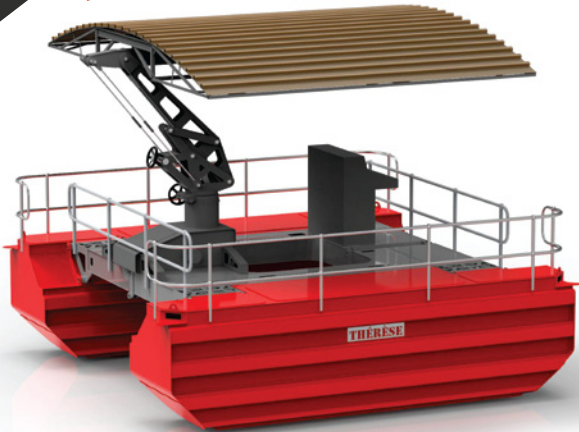
Foldable for  
transport in a standard  
40' Sea-Freight Container

- 750mm wide conveyor belt
- 250t/h conveying capacity
- 20m length
- Full electrical integration with circuit breakers, soft start, e-stops and lighting In-feed chute with comprehensive skirting and impact idlers
- Galvanised or painted frame, walkways and hand railings
- Return belt cover and angle plough at tail pulley
- RIPROTECT™ belt saving guides
- Primary scraper at head pulley optional
- Diamond rubber lagging on crowned tail pulley
- Ready for interlocking via iDaisyChain™

# ENGINEERING EXCELLENCE IN DREDGING INNOVATIONS

## iDredge™

- Collapsible for Transport
- Positioning on river with four winches anchored to the river sides and controlled via on-board control panel
- Materials of Construction based on client requirements
- Marine Spec Corrosion Protection
- 360 Degree Movable Crane for Maintenance purposes
- Option to install 2 x Generators in hulls for full mobility
- Option to add 3D Sonar Scanner with monitor for viewing of suction area
- Option to add Ultra High Molecular Weight Polyethylene (UHMWPE) for protection of pontoon hulls against rock damage



## iDredgeXRT™

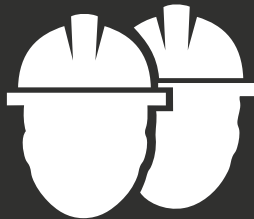
- Submersible Pump for mining of gravel particle size up to 60mm & Clamshell with crane and gantry for removal of +60mm rocks
- 2 x On-board containerised Tomra COM Tertiary XRT 1200/D diamond sorting machines
- Steering Winches and Electrical Thrusters controlled by Joystick for positioning of the iDredgeXRT™
- On-board power Generation
- pontoons - Combination of 3CR12 material and Marine Spec paint for unparalleled corrosion protection
- Docking Station for accepting vessels delivering fuel and personnel
- Standard Safety equipment for operating barge
- 3D Sonar Technology linked with GPS coordinate system
- Control Room and Mess Area to accommodate Crew of 10 - 12
- Tailings discharge 500m away with GPS tracking for future reprocessing
- Advanced Access Control and CCTV security system
- SCADA with internet connectivity for remote process tracking via mobile phone app
- Modules break down to fit into standard 40' sea-freight containers

Imilingo prides itself in providing innovative solutions to complex problems in the mining sector. While we are very familiar with existing and proven solutions we believe there are many opportunities that could be unlocked by applying our innovation skills. For this reason a team has been established specifically for the development of new products. We have also invested in tools and equipment in our fabrication facility to cater for development projects. The surge in the application of sensor-based sorting proves that new technology can be embraced and applied to improve the efficiency of mining operations. We are excited to serve the mining community by bringing new products to life.

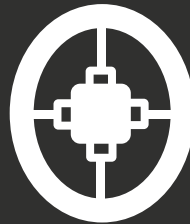
## OUR CORE VALUES



**INTEGRITY**



**COMMITMENT**



**INGENUITY**



**SAFETY**



**EXCELLENCE**



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