ROYAL IHC
MINING AND MINERAL PROCESSING

Royal IHC provides the mining industry with high-quality equipment and engineering services. For any phase in the mining life cycle, we offer innovative solutions, fully tailored to specific commodity requirements.

IHC has a proven track record of solutions for mineral sands, tailings rehabilitation, oil sands, gold, diamonds, tin and other commodities. With more than a century of experience in the mining sector, our expertise includes wet mining, slurry transport, materials handling and mineral treatment solutions.

At IHC, people and safety come first. This principle is thoroughly embedded in our strategy and culture. We are aware of the impact we have on people and the planet, and we take the responsibility that comes with it very seriously. We design our equipment with the highest care for the environment and we conduct our business with integrity.
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ADVISORY SERVICES

IHC’s advisory services are tailored to the exploration and mining of specific commodities. Our expertise includes resource evaluation, lab test-work, feasibility studies, mining method analysis and performance improvement. We provide independent metallurgical services with a physical characterisation lab and bulk processing capability.

EQUIPMENT

IHC is the market leader for the design and manufacturing of efficient, integrated vessels and mining related equipment. We supply mining dredgers as either standalone units or fully integrated to static or floating mineral processing facilities, together with automation and control systems to optimise operations.

CUSTOMISED PROJECT SOLUTIONS

IHC supplies integrated mining systems with optimum operational performance, fully customised to suit the specific requirements of the commodity and project conditions. We are a collaborative EPC partner renowned for our ability to engineer and build bespoke equipment and facilities.

LIFE CYCLE SUPPORT

Having an intimate knowledge of the equipment that we have designed, we provide fully documented operations and maintenance manuals. We also provide extensive training options for site personnel from commissioning and throughout the equipment lifecycle. In addition, we offer remote solutions and monitoring. With branches all over the globe, IHC can provide support anywhere, anytime.

SUSTAINABLE EQUIPMENT AND SERVICES THROUGHOUT THE MINING LIFE CYCLE

MODULAR SLURRIFICATION UNIT

TAILINGS DREDGER

LAND-BASED MINERAL PROCESSING PLANT

OVERBURDEN DREDGER

MINING DREDGER

FLOATING MINERAL PROCESSING PLANT

MINING CRAWLER

MINING SUPPORT VESSEL

MECHANICAL DREDGER

AGGREGATE DREDGER

MINING SUPPORT DRUM

LAND-BASED MINERAL PROCESSING PLANT

MINING DREDGER

FLOATING MINERAL PROCESSING PLANT

MINING SUPPORT VESSEL

MECHANICAL DREDGER

AGGREGATE DREDGER

MINING SUPPORT DRUM
MINING INDUSTRY

GEOLOGY
• resource assessment
• geological and exploration services
• mine planning.

METALLURGY
• laboratory test-work
• ore and mineral characterisation
• process flow delineation.

PROJECT DELIVERY
• concept studies to
  Front End Engineering Design (FEED)
• EPC or EPCM project delivery
• bespoke solutions and advisory.

PROCESSING EQUIPMENT
• materials handling and
  mineral separation equipment
• aggregate processing plants
• surge and dry storage bins
• screen and jig plants
• wet concentrator plants
• dry heavy mineral separation plants
• hot acid leaching units
• quenching tunnels.

DREDGE OPERATIONS
• mining dredgers
• integrated dredgers
• slurry handling and tailings disposal.

MARINE AND DEEP SEA MINING EQUIPMENT
• seabed mining crawler
• launch and recovery system
• mining-processing and support vessels
• riser system
• slurry transport
• sieve towers
• unloading systems.

TAILINGS REHABILITATION
• tailings dredging and processing
• dry tailings recovery
• water management.

LIFE CYCLE SUPPORT
• parts and services
• training
• remote solutions and monitoring.

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THE TECHNOLOGY INNOVATOR.