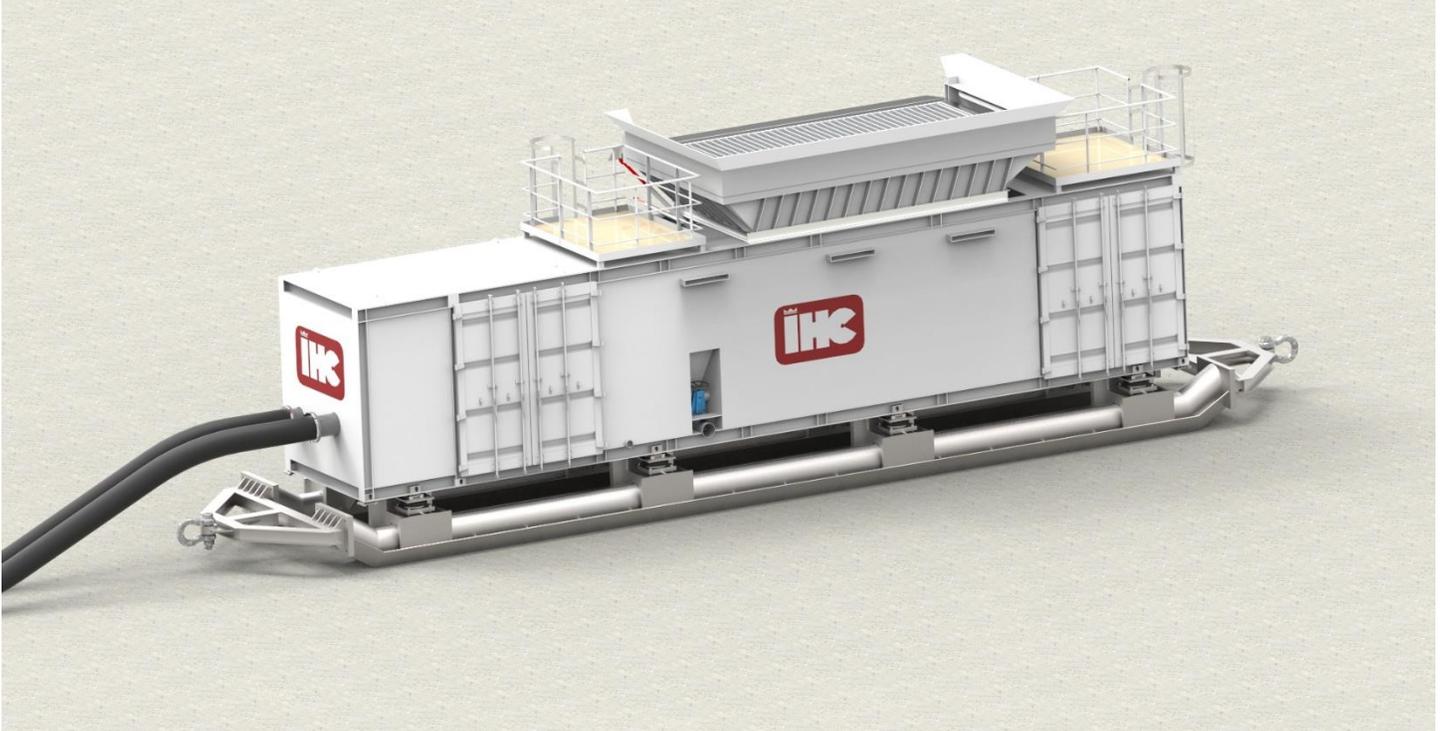


IHC TAILINGS SLURRIFICATION UNIT DRY MINING COMBINED WITH LOW OPEX SLURRY TRANSPORT



TRANSPORTING TAILINGS UP TO 250 IN SITU M³PH

The IHC Tailings Slurrification Unit (TSU) is a semi-mobile unit responsible for tailings oversize removal, temporary storage, slurry generation (slurrification) and slurry discharge to the destination site. The TSU is container-sized and can be fed by a conventional excavator or front-end loader and transports tailings over large distances with ease. The TSU is capable of transporting 125 – 250 m³/h of in situ tailings by means of low OPEX slurry transport.

The design of the TSU is based around a standard 40 or 45ft container. Pumps, the slurrification bin and the electrical & control equipment are all integrated in the container shell. Only an external water supply pump is required to provide slurrification water to the system, limiting the need for auxiliary equipment to be connected to the TSU.



Using slurry pipeline transport instead of a large truck fleet, increases operational safety and reduces the costs per tonne. And with the completely electrified slurrification unit, also adds to a low carbon foot print significantly.

ADVANTAGES

- ✓ Increased operational safety
- ✓ Lower cost per tonne
- ✓ Minimal downtime
- ✓ Low carbon footprint
- ✓ Modular and easy transportable design



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IHC TAILINGS SLURRIFICATION UNIT OPTIONS FOR EVERY OPERATION



COMPLETE TAILINGS TRANSPORT SYSTEM IN A SINGLE CONTAINER

At the heart of the IHC TSU is the container itself, with all components available for the slurrification process. The containerised and modular design of the slurrification unit makes it very suitable to customise to meet specific project needs and conditions. IHC has a wide range of feeding, screening and undercarriage options available.

MOBILITY IN EVERY TERRAIN TYPE

Undercarriage can be customised to suit specific operational environments. Examples are:

- sliding skid with pull bar
- steel tracks
- amphibious tracks.



FEED PREPARATION OPTIONS

Different feed preparation options are available to cope with a variety of soil types. Examples are:

- grizzly screen (tiltable up 90°)
- mineral sizer to crush oversize
- belt feeder (with overbelt magnetic separator).

IHC TSU

DIMENSIONS

Length	12-15m (40-45ft)
Width	2.4m
Height	2.3-2.6m (normal/HC)

MASS

Empty	40-65t
Operational	60-91t
Sanded	85-102t

SLURRY INSTALLATION

Slurry pump	IHC High Pressure, High Efficiency slurry pump (HRHD-300)
Power at shaft	Up to 750kW
Discharge pipeline	HDPE or Steel
Discharge pipe Ø	250/300mm

POWER

Power type	Electric @440V (HV options available)
Installed power	Up to 850kW

Are you interested in what the IHC TSU can achieve for your project or operation? Would you like more information?

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