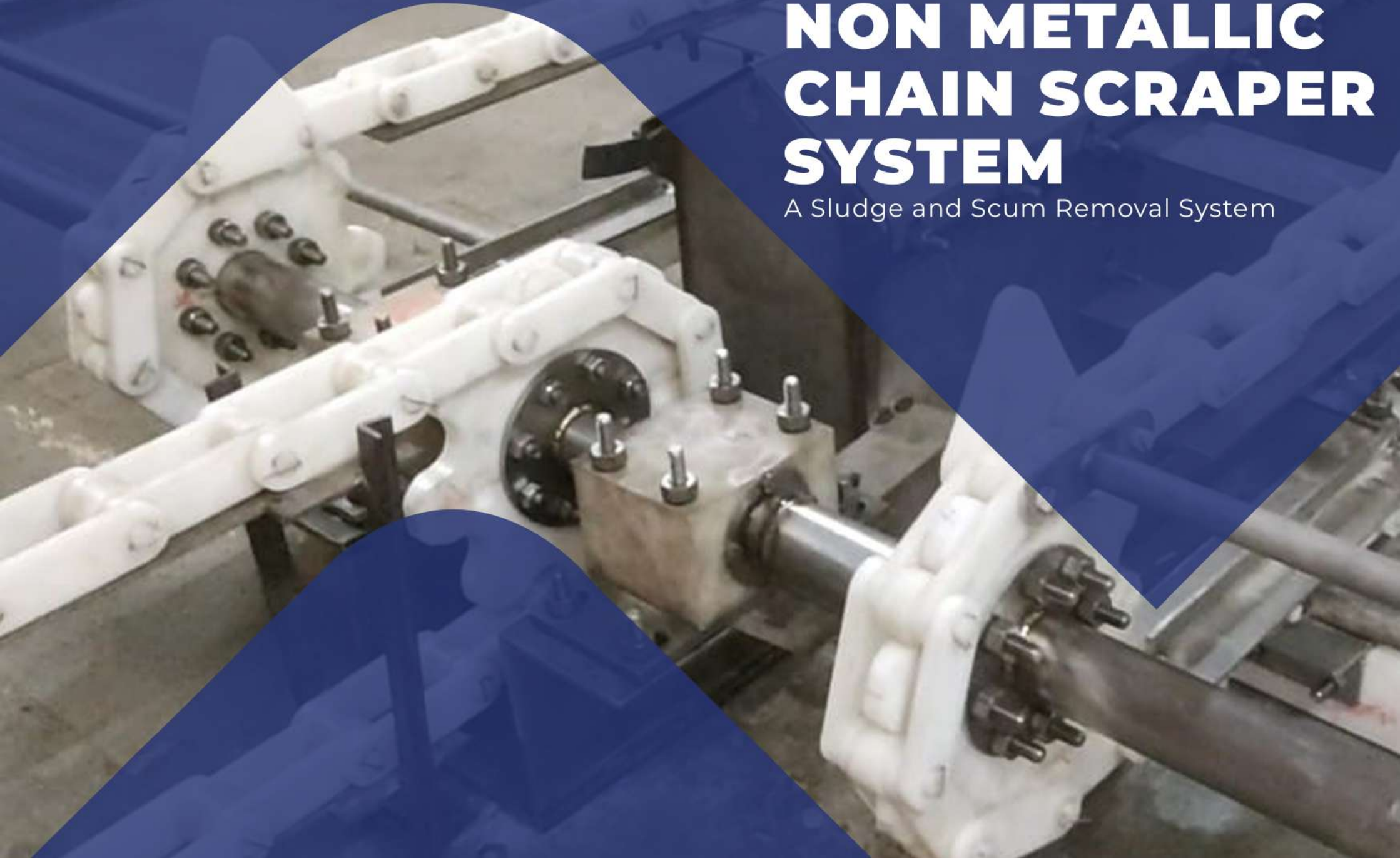


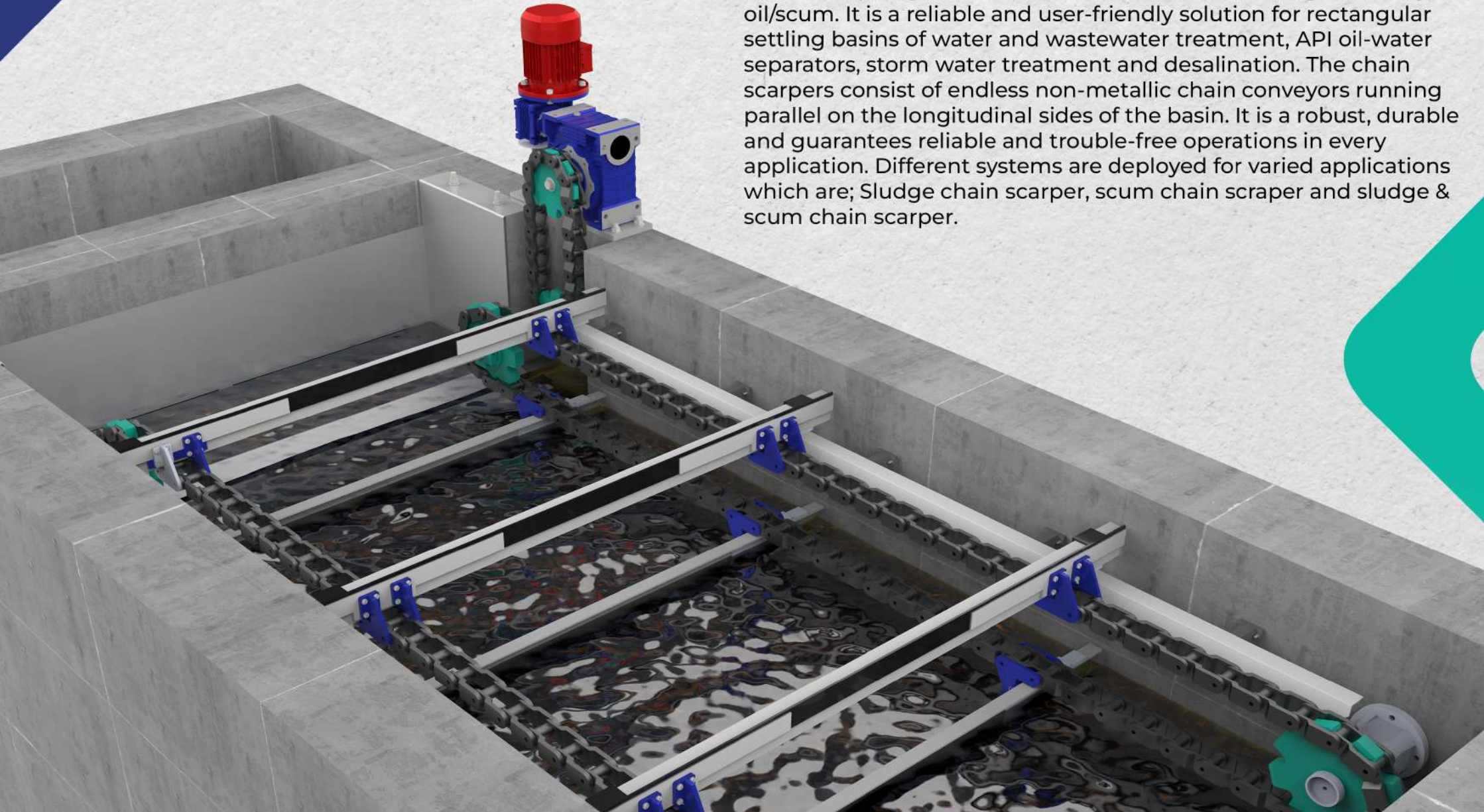
NON METALLIC CHAIN SCRAPER SYSTEM

A Sludge and Scum Removal System



NON METALLIC CHAIN SCRAPER SYSTEM

Chain Scraper system is ideal for use in removal of high viscosity oil/scum. It is a reliable and user-friendly solution for rectangular settling basins of water and wastewater treatment, API oil-water separators, storm water treatment and desalination. The chain scrapers consist of endless non-metallic chain conveyors running parallel on the longitudinal sides of the basin. It is a robust, durable and guarantees reliable and trouble-free operations in every application. Different systems are deployed for varied applications which are; Sludge chain scarper, scum chain scraper and sludge & scum chain scarper.





ABOUT PROBLEM



High Corrosion Rate

The head loss in a channel takes place due to less open area for the flow which creates high water head at upstream & low water head in downstream



Bulky System

The Floating Fabric waste, polymer bags gets stucked into the screen, which are difficult to be scraped and results in the clogging of the screen



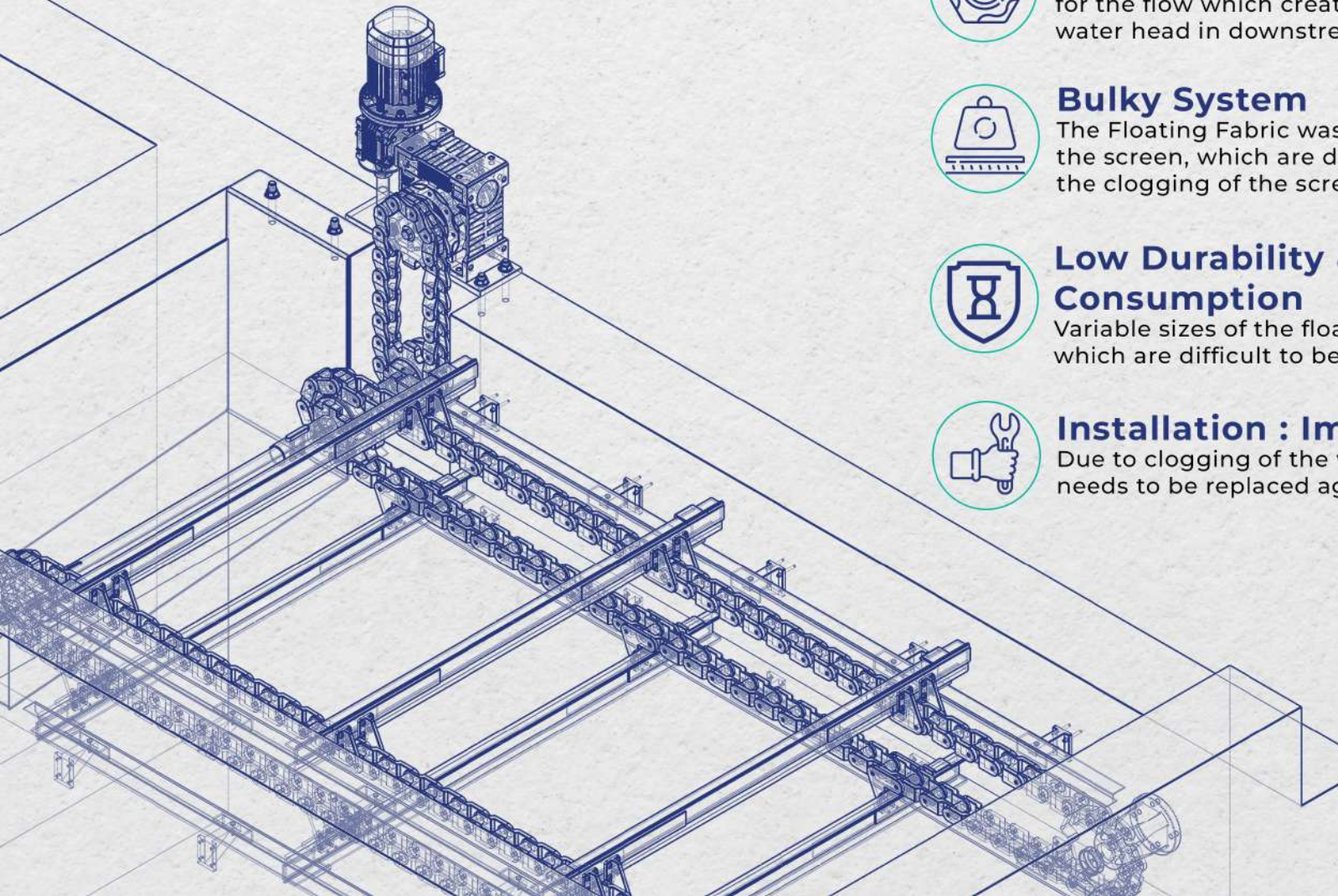
Low Durability & High-Power Consumption

Variable sizes of the floating waste flows through the channel which are difficult to be removed



Installation : Improper Civil

Due to clogging of the waste, the scraper life is reduced & needs to be replaced again & again



OUR SOLUTION



Drive Mechanism

Motor & Gearbox.

The drive Mechanism consist of the Electric Motor and Gearbox.



Stiff & Smooth Scraping

Flight Scraper

The FRP flight scraper has good strength/weight ratio & stiff enough to resist the bending over the long width of the tank. The flight scraper comes with accessories- guide rails, wear shoes, etc. which increases the durability of the flight scraper.



Anti- Corrosive & Light weight

Pintle Chain

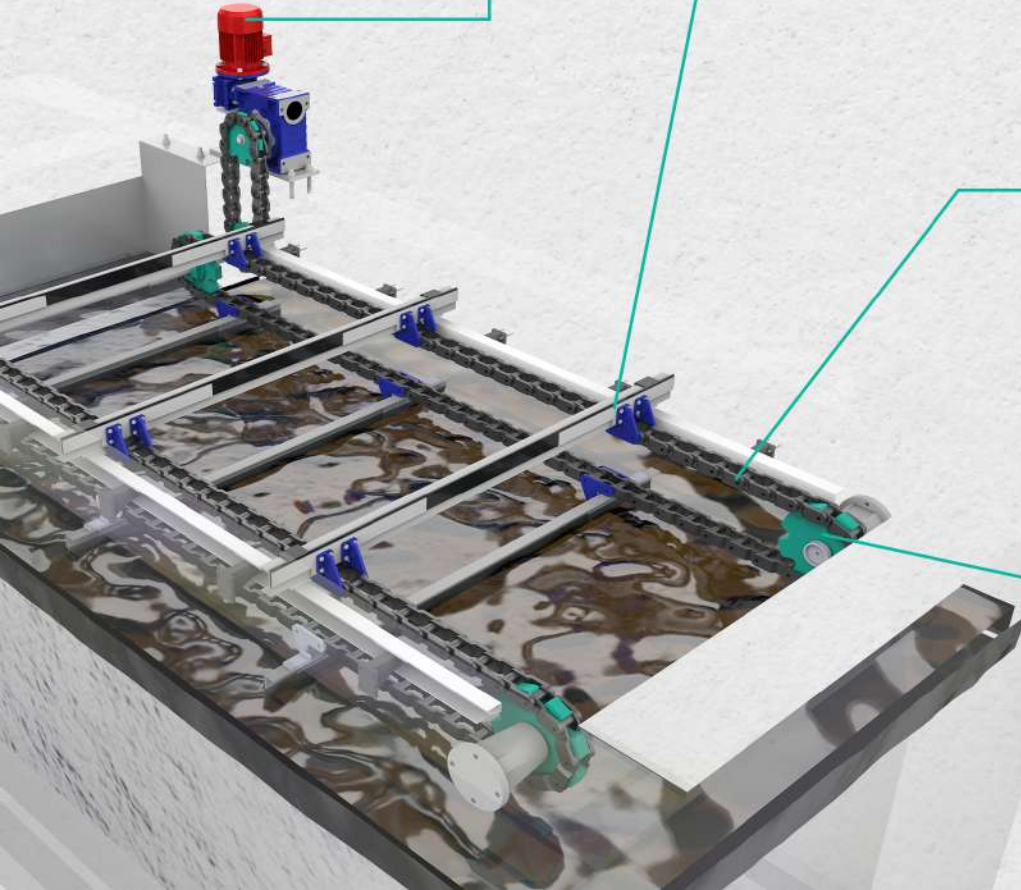
The Non-metallic Pintle chain has high resistance to corrosion & light weight. It consists of barrel & link as a single casting, which increases the strength and durability. When it comes to effectively conveying or driving over long length, pintle chains provide ample support & capabilities. The pintle chain is available in two sizes 6" & 3.25" depending on the length of the tank.



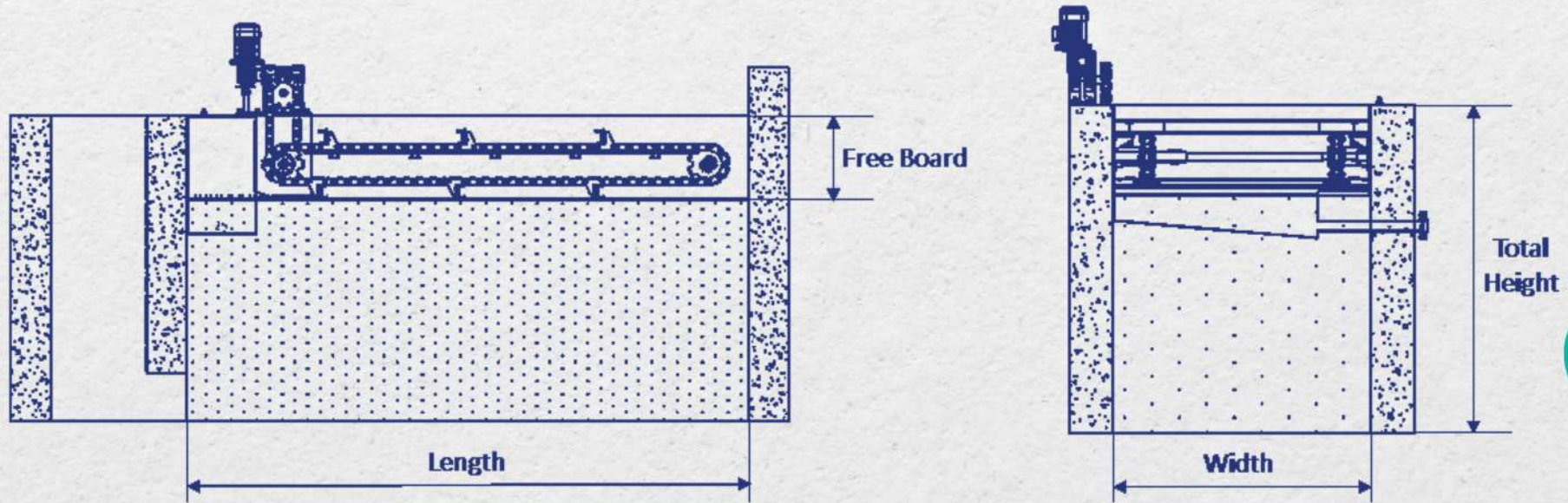
Easy Setup & Maintenance

Sprocket and shaft Assembly

The non-metallic sprockets are divided into two symmetrical halves and can be easily installed and maintained. Its light weight requires less energy to rotate & makes the system more energy efficient. The shaft & sprocket assembly create low noise during operation as compared to Metallic Chain scraper system.



MODEL SELECTION MATRIX



APPLICATION	MOC	SCRAPING TYPE	SCRAPER MOC	TANK DIMENSIONS	DRIVE MECHANISM	ACCESSORIES
Sewage Treatment	Delrin	2 Shaft Top Scraping	FRP	Length	Motor	Anchor Fasteners
Waste water Treatment	Nylon	2 Shaft Bottom Scraping	GRP	Width	Gear Box	Pump
Effluent Treatment	Glass filled Nylon	3 Shaft Bottom Scraping	Silicon	Height		Trough
Spills, Scum & Sludge	UHMWPE	4 Shaft Top & Bottom Scraping	Neoprene	Free Board		Pump + Trough
Trash Pollution	Polyurethane					
Oil Pollution						
Chemical Pollution						

For custom sizes, please contact our sales team, sales@potential.net.in



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