

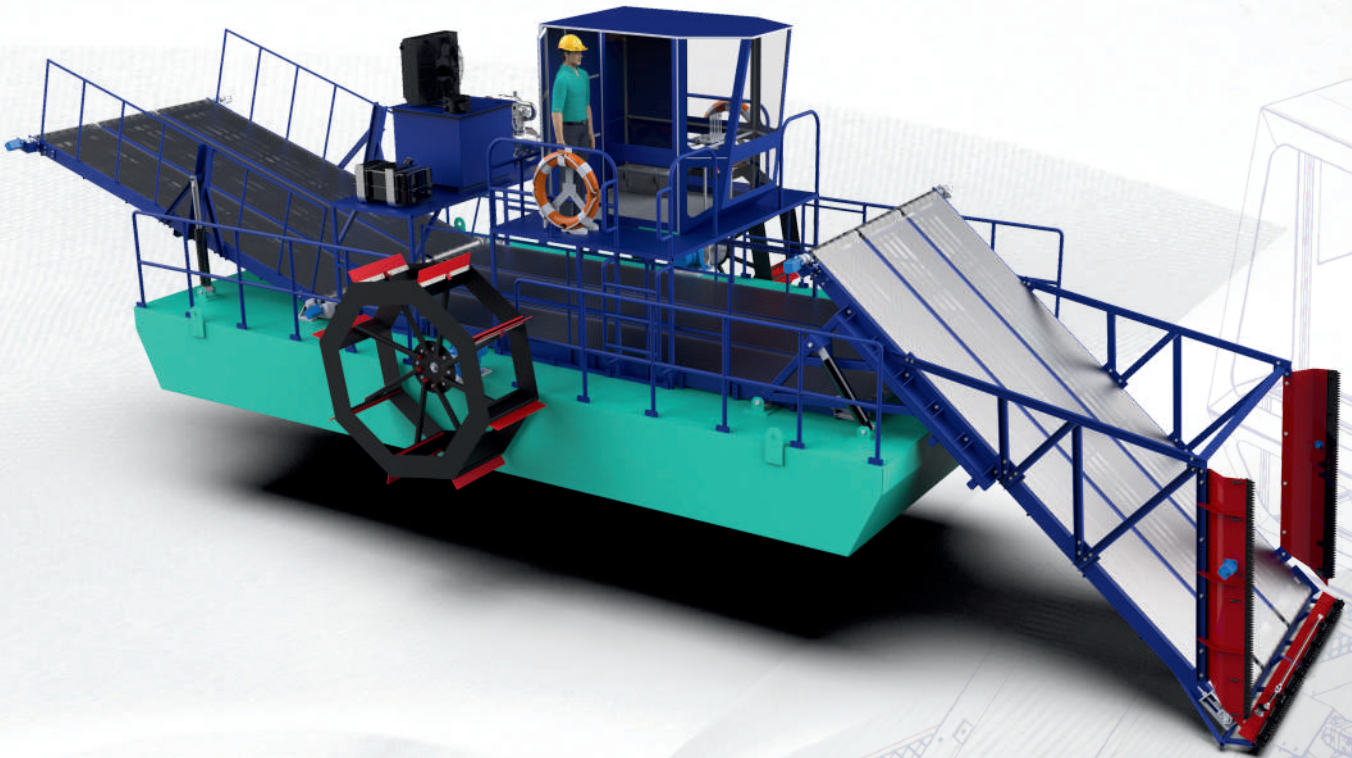
WEED HARVESTER



 **POTENTIAL**
ENGINEERING

GLOBAL LEADER &
YOUR PARTNER IN
WATER POLLUTANT REMOVAL
SYSTEM

WEED HARVESTER



Potential Engineering Aquatic Weed Harvester is designed for efficient harvesting of weeds and aquatic plants from reservoirs, rivers, lakes, and coastal waters. With a user-friendly control desk, a single operator can easily manage its harvesting operation collection, loading & unloading activities using intuitive hydraulic levers. This innovative machine offers a streamlined solution for one-man operation, allowing comprehensive movement control while minimizing manpower. Its versatile design facilitates the swift removal of aquatic plants & weeds, ensuring effective water body maintenance. Its capabilities empower a solitary operator to efficiently navigate and address aquatic challenges. Its multi-functional features and ease of operation make it an indispensable tool for aquatic ecosystem maintenance and cleanup operations worldwide.

ABOUT PROBLEMS



CATTLE FEED, HYACINTHS & WEED REMOVAL

Weed harvesters struggle to efficiently remove diverse pollutants such as cattle feed, hyacinths, and weeds from water bodies due to their varied compositions, thereby hindering effective waste removal.



UNLOADING OF WEED & TRASH

weed harvester's limited capacity demands frequent disposal trips, hampering their continuous operation and water body cleaning efficiency.



TRANSPORTING HUGE SIZE WEED HARVESTER

Moving oversized weed harvesters by road presents logistical hurdles necessitating special permits, meticulous route planning, and potential infrastructure limitations.



COLLECTING HIGH VOLUME OF WEED & TRASH

Collecting substantial waterborne weed & trash and transporting it to shore for disposal or recycling poses logistical challenges due to diverse debris types and volume.

OUR SOLUTIONS

CONTROL ROOM

An all time weather room for a weed harvester houses operational systems, enabling navigation, conveyor control, and monitoring of cleaning activities.

COLLECTION CONVEYOR

HONEYCOMB CONVEYOR

Intake honeycomb conveyor with ability to change inclination makes it versatile for collection all types of floating weed & trash.

EFFECTIVE UNLOADING

HONEYCOMB CONVEYOR

The height of the unloading conveyor can be adjusted hydraulically based on operational requirements

DIESEL ENGINE

PADDLE WHEEL

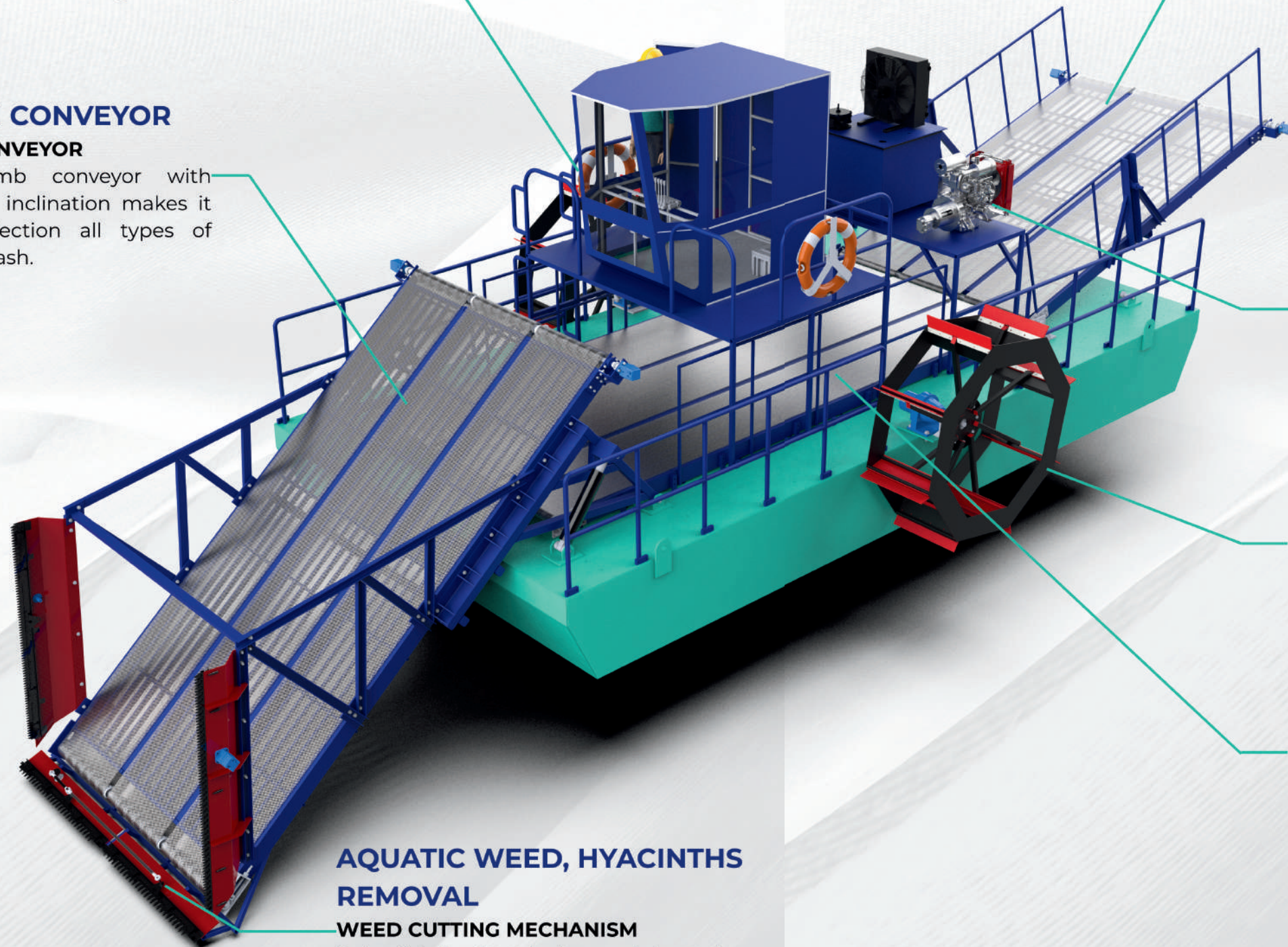
WEED & TRASH COLLECTION SPACE + CONVEYOR

Potential Engineering's weed harvester is compact in size so it is easy to transport by road.

AQUATIC WEED, HYACINTHS REMOVAL

WEED CUTTING MECHANISM

Potential Engineering's weed harvester has capacity to pull, cut aquatic weed, hyacinths etc.



SAILENT FEATURES

- ✧ Easy to transport because of compact size.
- ✧ Pulling as well as cutting mechanism for collecting aquatic weed with high efficiency.
- ✧ Large storage capacity.
- ✧ Long life as marine grade material with paint.
- ✧ Easy to operate.
- ✧ Weed harvester has transport barge which can transfer collected trash to shore.

APPLICATION

- ✧ Aquatic Weed Removal
- ✧ Eutrophication Control
- ✧ Lake and Reservoir Management
- ✧ Irrigation Channel Maintenance
- ✧ Tourism and Aesthetic Enhancement
- ✧ Wastewater Treatment Plant Support



TECHNICAL SPECIFICATIONS

A small icon of a green and blue harvester head.

WEED HARVESTER

CAPACITY

6 - 20 m³

MAX SAILING SPEED

upto 7 kmph

COLLECTION CONVEYOR

Honeycomb Screen Belt

CUTTER KNIVES

Reciprocating horizontal & vertical

STORAGE CAPACITY

upto 6000 kg

A small icon of a blue and green barge.

FLOATATION BARGE

COMPARTMENTS

Airtight / watertight compartments

DRAFT

0.40 m Empty / 0.60 m Loaded

A small icon of a green and blue harvesting head.

HARVESTING HEAD

TYPE OF CONVEYOR

Metallic Belt Honey Comb Conveyor

CONVEYOR BELT

25 mm x 25 mm standard duty SS304 mesh

ANGLE OF INCLINATION

Adjustable Degree

A small icon of a green and blue power source.

POWER SOURCE

POWER SOURCE

Diesel Engine

CAPACITY

upto 75 HP

FUEL TANK CAPACITY

upto 200L

A small icon of a green and blue material of construction.

MOC (MATERIAL OF CONSTRUCTION)

HULL MATERIAL

High strength Carbon steel

BARGE

High strength Carbon steel

WHEEL

High strength Carbon steel

CONVEYOR

Stainless Steel 304

A small icon of a green and blue surface finish.

SURFACE FINISH

BLASTING

Abrasive Sand blasting

PAINTING

Epoxy primer & polyurethane paint

