

# ROYAL IHC

## AMPHIBIOUS EXCAVATORS

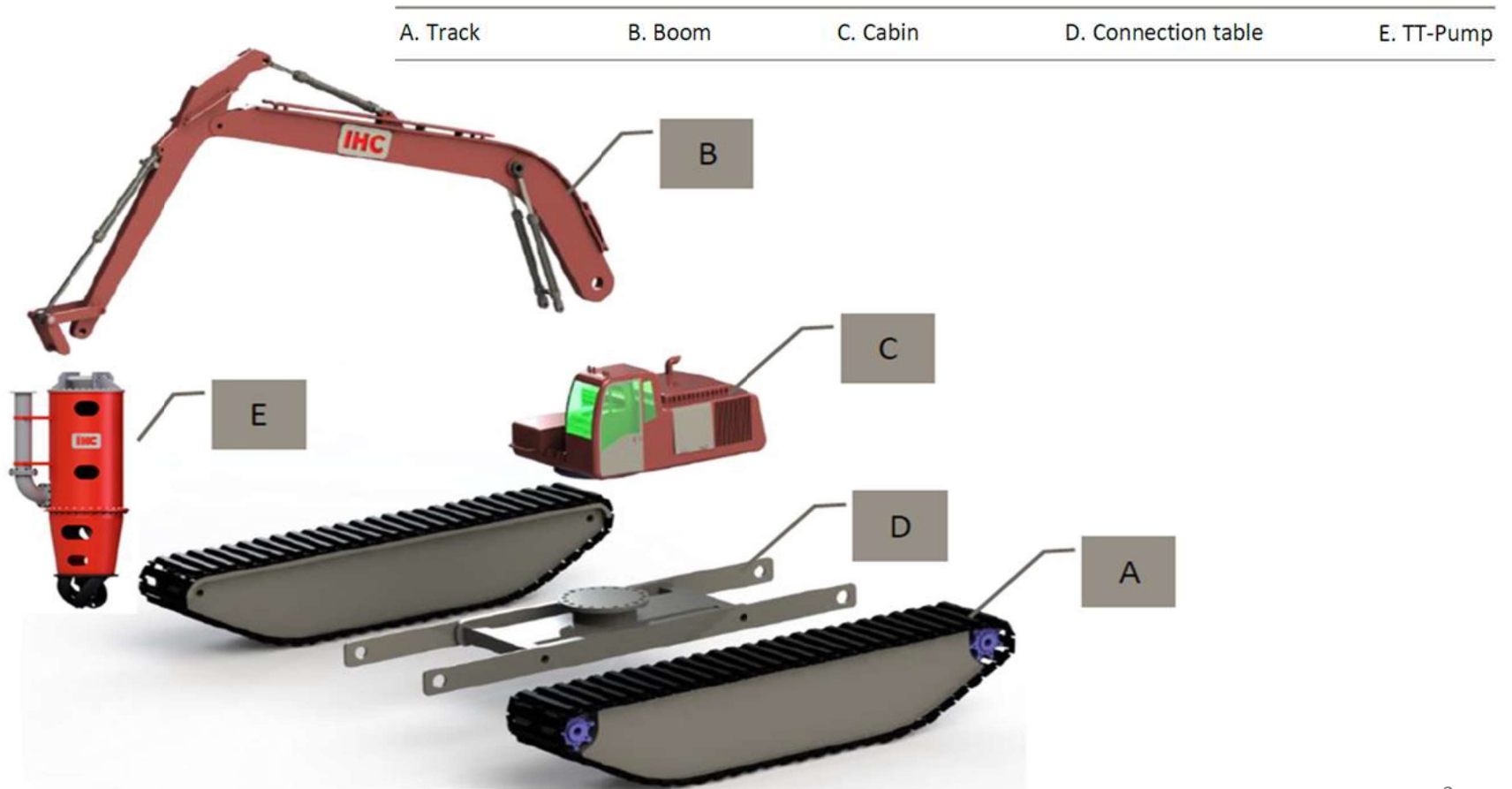
15 April 2021 | Schalk van Zyl | Products Manager | IHC South Africa



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**ROYAL**IHC.COM

# AMPHIBIOUS EXCAVATOR ➤ WITHOUT IHC HPU



# AMPHIBIOUS EXCAVATOR > CONFIGURATIONS

## OPTION 1: (WITHOUT IHC HPU)

- Utilizing excavator hydraulics (requires modifications)
- Limited production & efficiency
- Maintenance / Environmental work
- +- EUR 450k (based on TT20 with no extra options)
- 18 weeks lead time, FCA Cape Town

## OPTION 2: (WITH IHC HPU)

- Utilizing dedicated on board IHC HPU
- Guaranteed production & efficiency
- Commercial dredging (mining)
- +- EUR 650k (based on TT20 with extra options)
- 18 weeks lead time, FCA Cape Town

## OPTIONAL EXTRAS:

- Floatation pontoons (required in deeper water)
- Spud poles (for extra stability in deeper water) \* limited slewing possible
- Hydraulically extendable tracks (for transportation by road)
- Remote operation – via PLC and HMI in excavator control cabin - dedicated HPU only)
- Production measurement (via sensors, PLC & software – dedicated HPU only)



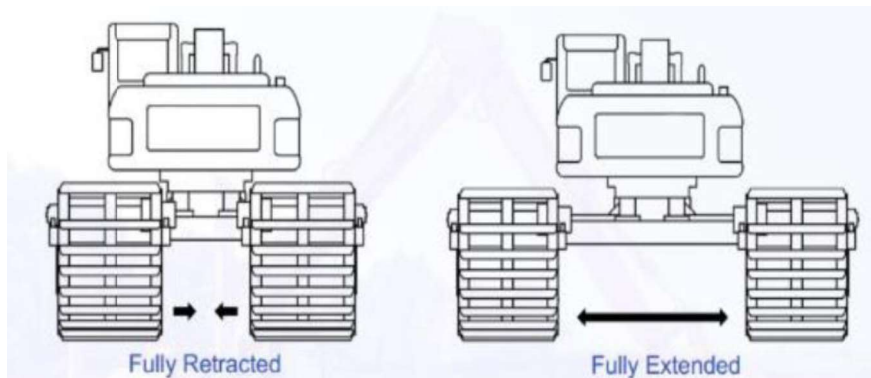
# **AMPHIBIOUS EXCAVATOR > VALUE ADD**

## **BENEFITS TO CUSTOMER**

- Cost effective dredge solutions
- Efficient and Reliable IHC dredge equipment
- Continuous production (opposed to bucket/barge method)
- Simple deployment (Mob-Demob)
- Versatile tool – can be converted to conventional excavator if required
- Remote capabilities
- Easily transportable via road
- Existing equipment can be used (i.e. customer excavator)
- No specialized training required



# AMPHIBIOUS EXCAVATOR > FEATURES



## EXTENDABLE TRACKS (HYDRAULICALLY OPERATED)

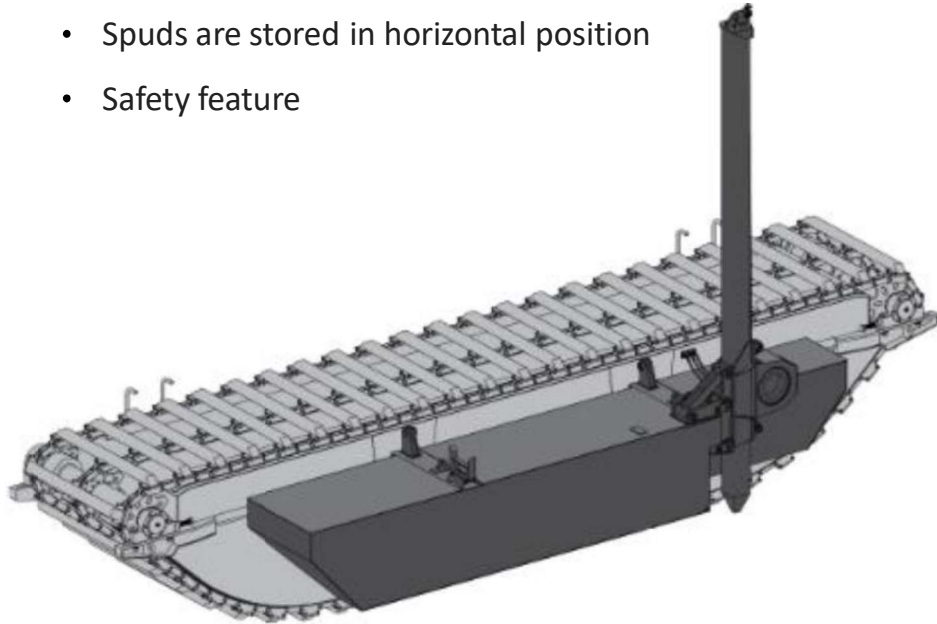
- Fully retracted for transportation by road
- Fully extended for maximum stability during operation
- Controlled from operator cabin



# AMPHIBIOUS EXCAVATOR > FEATURES

## ADDITIONAL FLOATATION PONTOONS & SPUDS

- For deeper water application
- Spud poles provides stability during dredge operation
- Spuds are stored in horizontal position
- Safety feature



# AMPHIBIOUS EXCAVATOR ► IHC DEDICATED HPU



## SPECIFICATIONS: TT20

- 10ft ISO container
- Weight 4,5 tons / replaces CW
- 10 hours operation
- Dredge pump/cutter/jet water





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