

KANSEI

関星



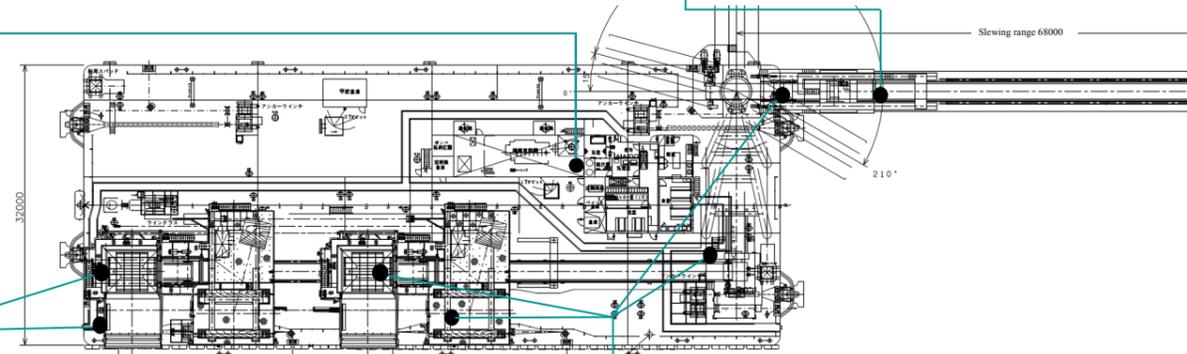
Energy saving, low maintenance and centralized control

Inverter control has realized significant energy saving and low maintenance equipment. Centralized control with surveillance monitor ensures safe operation.

Spreader that can work in various reclamation methods



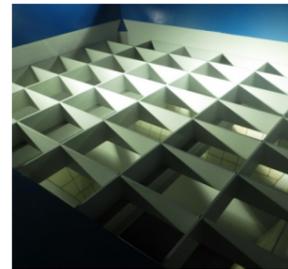
Reclamation work in an extensive area is enabled by using spreader with 68-meter working radius, 150 degrees of slewing angle and maximum lifting height of 18 meters.



Capable of handling big rocks besides ordinary soil and sands



Large-scaled hopper with grizzly is installed.



Eco-friendly and anti-marine pollution measures fully applied



Large excavators are equipped with engines conforming to IMO emissions standards which satisfy the secondary reference values to reduce emissions such as nitrogen oxides. Excavators are made with seawater-resistant specifications and automatic idling function is applied to reduce noise.



Transit part between the belt conveyors is closed and a tray is installed under the conveyors to receive fallen material as anti-marine pollution measures.



KANSEI

関星

2,400m³/h

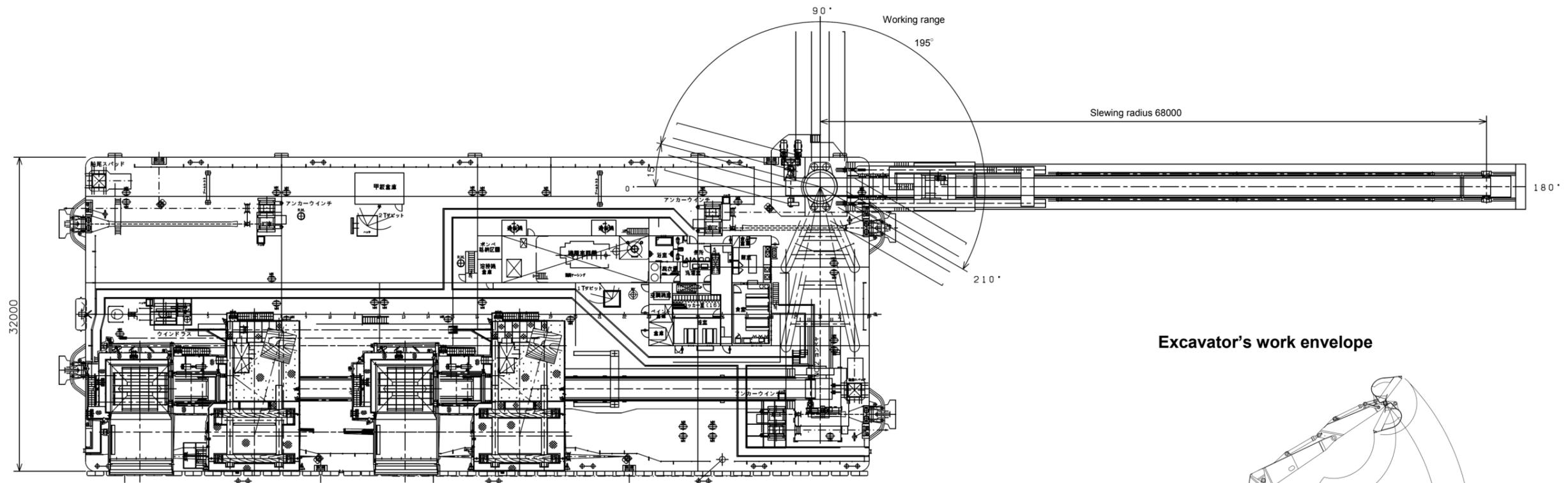
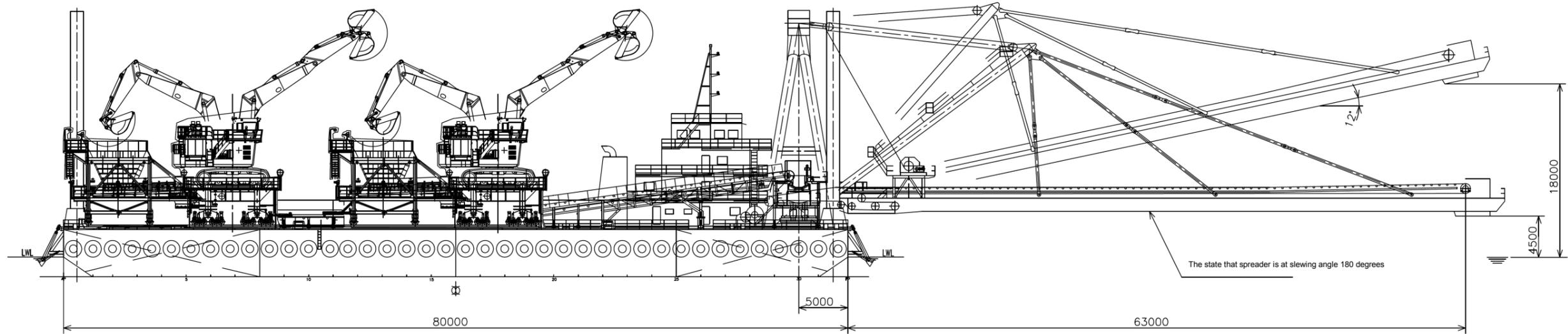
Reclaimer barge with excavators dealing with wide range of materials

Capable of handling from mountain soil to dredged sands

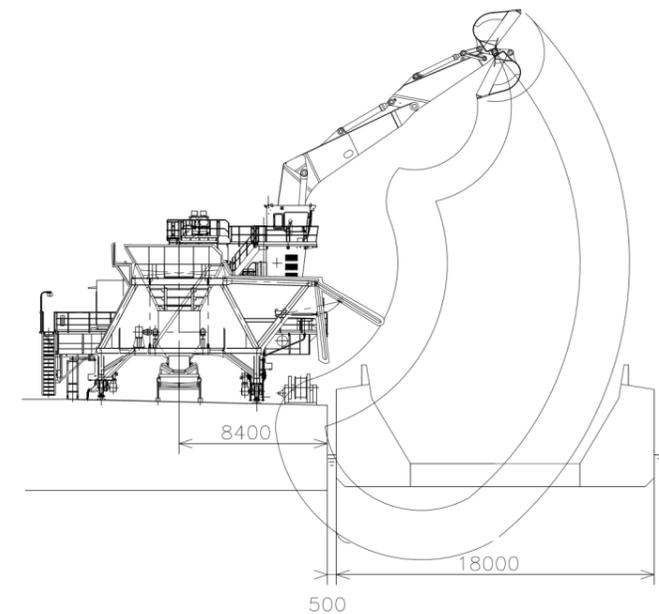
Unloading work without polluting the ocean

Equipped with eco-friendly and largest-class excavators





Excavator's work envelope



BUILDER		SUMITOMO HEAVY INDUSTRIES, Ltd.	
HULL			
DIMENSIONS		L=80.00m	B=32.00m
		D=4.80m	d=2.00m
DECK MACHINERY			
WINDLASS		30t x 6m/m in x 4 sets	
		50t x 7.5m/m in x 1 set	
MOORING WINCH		15t x 9m/min x 4 sets	
SPUD		1.3m x 1.3m x 27m x 2 sets	
SPUD WINCH		50t x 3m/min x 2 sets	
AC-17 ANCHOR		7.9t x 4 sets, 16t x 1 set	
ANCHOR CHAIN		44mm x 400m x 4 sets, 70mm x 250m x 1 set	
ANCHOR WIRE		38mm x 300m x 4 sets	
GENERATORS		MAIN GENERATOR AC450V x 3,125kVA x 1 set	
		PRIME MOVER 4,000ps x 720rpm x 1 set	
		AUX. GENERATOR AC450v x 180kVA x 2 sets	
		PRIME MOVER 220ps x 1,800rpm x 2 sets	
EXCAVATORS			
		HITACHI EX1900-6	
		CAPACITY OF BUCKET 10.2m ³ (New JIS) x 2 sets	
CONVEYOR			
		TYPE BELT CONVEYOR	
		CARRYING CAPACITY 2,000mm x 200m/min x 9.0m x 2 sets	
		FEEDER CONVEYOR 2,400m ³ /h	
		No.1 CONVEYOR 1,800mm x 200m/min x 69.3m	
		No.2 CONVEYOR 1,800mm x 200m/min x 25.0m	
		SPREADER 1,800mm x 200m/min x 71.0m	
		OUTREACH 63.0m(for'd), 65.0m (side)	
		LIFTING ANGLE 12 degrees (max.)	