Est. 1930 as De Groot Nijkerk
Became in 1988 part of Damen Shipyards Group in 1988 as Damen Dredging Equipment
Over 75 years of experience in dredge building & design
Integrated Health, Safety, Environment & Quality Improvement management system
High-end innovative dredging solutions
Modular designs, standardisation
Proven technology
In house R&D department including testing facilities
In house engineering
Continuous improvement by Freeze & Release on Standard Product range
In house Dredging Simulator
In house and on site Service & Training
### Organisation Overview

**Staff & Finance Department**
- HSEQ
- Administration
- ICT
- RD&I
- HR
- Office management

**Realisation**
- Projects management
- Engineering
- Planning
- Documentation
- Purchasing
- Specials
- E&A
- CSD
- TSP
- Assembly
- Construction
- Machining
- Warehouse

**Commercial**
- Design & Proposal
- Service
- Field Service
- Service Coordination
- Parts

**Organisation Overview**
- Assembly
- Warehouse
- Parts
COMPANY CERTIFICATES
- ISO 14001;2015
- ISO 9001;2015
- ISO 45001;2018

EMPLOYEE CERTIFICATES
- ERT / BHV
- VCA VOL and or VCA
- Safe lifting & hoisting
- Fork-lift / Reach truck
- AED
- NEN3140
- Hydraulics basics
- PPE inspection
DREDGE PUMPS

- Complete standard range sizes from BP150 – BP900
- Low, medium and high pressure type
- In-board and submerged dredge pumps
- Durable and High-Wear resistant components
- All in house CFD designed geometry for optimal efficiency
CUTTER SUCTION DREDGER

- Complete range of modular designs
- Different sizes starting at CSD250 up to CSD650
- Dredging depths from -1m up to -25 m
- Wide range of options for customisation
SUBMERSIBLE DREDGE PUMP TYPE DOP

- Complete standard range
- Smallest DOP150 with 150 mm suction diameter, largest DOP450L with 450 mm suction diameter
- Low and medium pressure dredge pumps
- Dedicated exchangeable suction head available for any dredging job

PRODUCT OVERVIEW
DOP DREDGER

- Complete range of modular designs
- Sizes from DOP DREDGER 150 up to DOP DREDGER 350
- Standard dredging depths from -15m up to -100m
- Different types, adapted to dredging job
- With cutter head or jet water assisted head
- Large dredging depths can be obtained
WATER INJECTION DREDGER

- Standard range from WID500 – WID600
- Modular water injection system
- Package delivery for vessels or newbuilds
- Including dredge pump and water injection beam

PRODUCT OVERVIEW
BOoster Station

- Complete range from BS250 – BS650
- Suitable for land-based and floating operation
- Suitable for increasing discharge distances of CSD and DOP Dredgers
- Diesel electrically driven
- Remotely operated

Product Overview
PRODUCT OVERVIEW

TRAILING SUCTION HOPPER DREDGER

- Standard range from TSHD650 – TSHD5000
- Dedicated harbour maintenance dredgers
- Dedicated sand mining vessels
- Hopper volumes ranging from 650 m³ to 5,000 m³
- Dredging depths ranging from -5m to -30m
- Dredge package deliveries available
MARINE AGGREGATE DREDGER

- Standard range from MAD4000 – MAD5600
- Dedicated aggregate mining vessels
- Hopper volume up to 5,600 m³
- Dredging depth up to 60 m

PRODUCT OVERVIEW
TRAILING SUCTION PIPE

- Standard range from TSP400 – TPS900
- Dredging packages for newbuilds on location or retrofits
- Complete package delivery including trailing pipe, hoisting gear and dredge pumps
- Dedicated dredging instrumentation available

PRODUCT OVERVIEW
DREDGING EXPERIENCE CENTER

- Experience and feel dredging
- Availability of exhibitions for understanding different type of dredging processes
- Experienced personnel available to explain and educate the visitors
MEASUREMENT/QUALITY CHECK ROOM

- High precision measuring tools
- Experienced personnel for quality check of all incoming parts
- Standardised work method with quality check lists
DREDGE PUMP TEST LOOP

- Closed loop used for testing new materials, components etc. with various abrasive materials
- Damen DOP250 dredge pump driven
- Dredge pump speed sensor
- Mixture electromagnetic flow meter
- Radio active density meter
- Suction and discharge pressure sensors
- Two storage unit level switches
- Flow switch flush water
- All dredge valves and overflow cylinder are equipped with position monitoring
DREDGE SIMULATOR

- Full-options CSD cabin mock-up
- High Definition wide screens for realistic real-time experience
- CSD options can be switched on/off in the simulation
- In-house training or on-site training
CONSTRUCTION 01
- Hall size: 35 m x 16 m
- 10 Workstations
- MIG/MAG/TIG
- NEN-EN-689:2018 OELV compliant
- 3x 8 t overhead cranes
- Carbon steels
- Stainless steels
- Aluminium

CONSTRUCTION 02
- Hall size: 25 m x 11 m
- 4 Workstations
- MIG/MAG
- NEN-EN-689:2018 OELV compliant
- 2x 10 t overhead cranes
- Carbon steels
- Stainless steels
- Aluminium
MACHINING HALL

- Hall size: 30 x 20 m
- 2x 10 t overhead cranes
- Carousel lathe capacity Ø1800 mm 120 kW
- Carousel lathe capacity Ø1400 mm 70 kW
- TOS W100A Boring bench capacity 1150 x 1150 mm 16 kW
- Lagun CNC milling machine 3500 mm 35 kW
- TOS FGS Milling machine 900 x 400 mm table 16 kW
- TOS SUS 80H Facing lathe 3500 mm center to center 22 kW
- TOS SN 50C Facing lathe 1500 mm center to center 6.6 kW
- VDF DUE 550 Facing lathe 1100 mm center to center 12.5 kW
- MAS VO 50 x 1600 radial drill Ø60 mm 4.5 kW
WAREHOUSES

- 2 Indoor warehouses (30 x 20 m & 25 x 11 m) 875 m²
- 1 Weather protected outdoor storage 580 m²
- Total in house floor space warehousing capacity 3550 m²
- 1 Additional outdoor storage 2100 m²
- Electrical fork-lift trucks up to 4 t
ASSEMBLY

- Hall size 40 x 30 m
- 2x CSD650 main engine rooms capacity (21 x 4.5 m)
- 4x Overhead cranes 10 t and 20 t
- 3x Swivel cranes 2.5 t
- Compressed air line
- Final assembly of dredgers and dredging equipment
- Pump assembly / service
- Gate Valve assembly / service
- Gate Valve pressure testing
- Special equipment assembly
OUTDOOR ASSEMBLY FACILITIES

- Reinforced quay support for heavy lifting (up to 750 t)
- Tool shop
- Electrical facilities 240-380 VAC
- Fresh water supply
- Compressed air supply
- Preventive oil curtains for testing and run-in
- Emergency Response Safety Equipment, man-overboard / oil spill kits.
- Full Wi-Fi coverage
- Hoisting on demand by rental crane