



by NTD

NTD Offshore is proud to announce the launch of the DELTAPLEX System (**Δ Plex**). The **Δ Plex** System is a new rugged and cost effective duplex data acquisition system and the latest installment in our range of off-the-shelves offshore equipment.

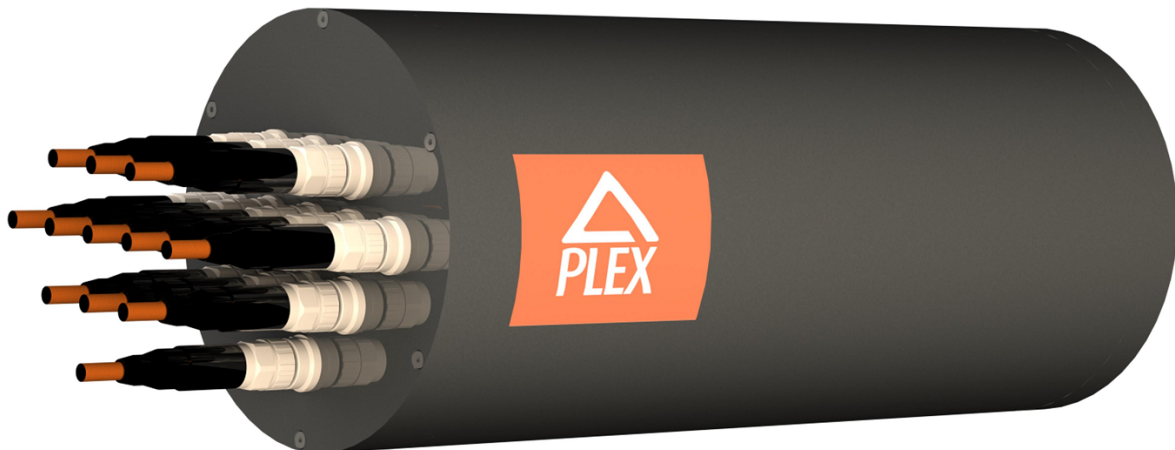
The **Δ Plex** System features a redundant fiber-optic network which allows data to flow even with damage to one of the two dedicated fibers.

NTD Offshore focuses on producing practical and cost effective upgrades for subsea equipment. We specialize in providing existing equipment with extensive data transfer capacities and control functions for work class ROV's, underwater mining equipment, trenchers and other subsea installations.

The **Δ Plex** System is easily expanded, highly customizable and can be programmed to fulfil the needs in a complex and rapidly changing industry.

For more information please contact us at marketing@ntd-offshore.com

(Text continues under the image)



Below can be seen an example of a data-flow customization scenario, to demonstrate that The system is easy to upgrade.

An example.

- 8 of fiber Ethernet 1 GB connections, 10 GB are available as an option,
- or
- 8 video connections with RS232 for control and 4 off fiber Ethernet 1 GB connections, 10 GB are available as an option.

Due to the high customizability of the Δ Plex System, the specifications shown below are two possible setups out of many.

Specification Topside, example

Housing 19" Rack 3HE, Plugs in front to connect to the in and out functions	
Power input 110 - 240 V ac 47-63 Hz 6A	2 * Ethernet RJ45 1 GB
Fiber optic single mode 9/125	2 * RS 232 9600 BAUD
MUX/DEMUX 16 stk. 1310 nm. – 1610 nm. / 1 mix.	3 * Video coax 75 Ω to HDMI
Voltage Output	8 * Digital IN
5 Vdc 7,7 A	8 * Digital OUT
12 Vdc 7,7 A	4 * Analogue IN
24 Vdc 14,6 A	4 * Analogue OUT
48 Vdc 7,3 A	
	With flexibility and a wide range of modifications.

Specification Subsea example

Pressure Vessel in Anodized Aluminum EN AW 6082 T6 or Super Duplex Steel EN 1.4410.
 Dimensions Anodized Aluminum EN AW 6082 T6
 (L*D) 500mm* 230mm. Depth rating 4000m
 Dimensions Super Duplex
 (L*D) 470 mm* 200 mm. weight in air 41 kg. Weight in water 27 kg. Depth rating 4000m

Power input 85- 240 V ac 47-63 Hz 6A	2 * Ethernet RJ45 1 GB
Fiber optic single mode 9/125	2 * RS 232 9600 BAUD
DEMUX/MUX 16 stk. 1310 nm. – 1610 nm. / 1 mix.	3 * Video coax 75 Ω / 3*RS 232 9600 BAUD
Voltage Output	8 * Digital IN
5 Vdc 7,7 A	8 * Digital OUT
12 Vdc 7,7 A	4 * Analogue IN
24 Vdc 14,6 A	4 * Analogue OUT
48 Vdc 7,3 A	
	With flexibility and a wide range of modifications.