



# drive with us

News, events and informations from Headquarters

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## Towerclutch TC11-210

Transfluid USA has recently been commissioned to provide our Towerclutch TC11-210 for a prominent manufacturer of hydraulic testing units. These machines are used regularly in the natural gas industry to check for leaks in a pipe circuit before running natural gas through the lines. They are an important tool to ensure the safety of natural gas operations.

The output of the Towerclutch will be operating a centrifugal pump, while the PTO head will be used to drive a hydraulic pump which will pressurize the line. A key aspect of this project was Transfluid's ability to provide an SAE C pump pad on our Towerclutch. The versatility of our product and the speed with which we were able to provide a solution was instrumental in securing this business from

a competitor. The oil and gas industry is an integral part of the American economy, and Transfluid is at the forefront of providing unique solutions for this important industry



**TRANSFLUID WELCOMES YOU AT BOOTH**  
Hall B6 Stand n° 126

MESSE, MÜNCHEN  
May 14 - 18, 2018

World's Leading Trade Fair for Water, Sewage, Waste and Raw Materials Management

europa 2018

15 - 17 May 2018  
Hanover, Germany  
TRANSFLUID welcomes you at booth **533**

TRANSFLUID WELCOMES YOU AT BOOTH E6000

27 - 29 June, Amsterdam RAI  
The Netherlands

September 11-13, 2018  
SUBURBAN COLLECTION SHOWPLACE  
NOVI, MI

TRANSFLUID WELCOMES YOU AT BOOTH **845**

SAVE THE DATE

TRANSFLUID welcomes you at booth **221**

OCTOBER 2-4, 2018  
LAS VEGAS, NV

TRANSFLUID WELCOMES YOU AT BOOTH **2261**

MORIAL CONVENTION CENTER  
28 - 30 NOVEMBER 2018

NEW ORLEANS

# The Transfluid Hybrid and Electric Marine System in Venice

TRANSFLUID presented its hybrid and electric systems for the first time in the Venice lagoon. On April 9th and 10th in Venice, at the Isola della Certosa, we presented different boats equipped with both hybrid and full electric propulsion systems. On April 9th, in addition, it was held the round table 'MARINE SUSTAINABLE MOBILITY' to which Authorities and Sector Operators also presented.

"The exponential increase in water traffic with polluting propulsion is a problem that must be tackled urgently in the lagoon. Assonautica which from over 15 years promotes sustainable mobility in Venice and throughout the lagoon, believes that every green proposal is an opportunity to be grasped, provided

that the transformation of the existing vehicle fleet begins. The presentation of Transfluid wants to show that a shipowner can apply a hybrid system on his own boat integrating it to the existing propulsion. An industrialized Italian technology already used in more than 30 applications."

The TRANSFLUID hybrid and electric systems has the flexibility to meet the needs of most boatbuilders operating in pleasure and business. Who will be able to allow their customers to plan an ecological navigation, silent and with reduced costs. This characteristics match perfectly with needs of work boats sector such as public and private urban utilities.



## Zhejiang Zhoushan project

**Customer Name: Zhejiang Petrochemical Co. Ltd.**

This company mainly engage in refining of petroleum products, chemical products and petroleum products production, sale, transportation, import and export trade of crude oil.

ZPC planed a 40 million tons/year of crude oil refining project in Zhoushan, Zhejiang province. The phase I is expected to be completed by the end of December 2018, the phase II is expected to put into operation the first quarter of 2021.

Application: Belt Conveyor, Crusher

In 2017, they purchased total 66 units fluid couplings including 4 units 15CKDMB, 6 units 17CKDMB, 11 units 19CKDMB, 16 units 21CKDMB, 12 units 24CKDMB, 5 units 27CCKDMB, 8 units 29CCKDMB for belt conveyor and 4 units 46KRG3 for crusher from Transfluid S.P.A.

The competition was very tough, several famous manufacturer of fluid couplings took part in the bidding. Considering the quality, delivery time, cost performance, maintenance and after-sales service, after a lot of soul searching, the customer made the most far-sighted choice TRANSFLUID.

### «In Canal Grande si andrà solo con motore elettrico»

Il sindaco annuncia la Ztl per l'acqua. Boraso: «Due anni, poi l'ordinanza»



...zione sono con il sindaco. Il sindaco Luigi Boraso ha annunciato la proposta di istituire una zona a traffico limitato (Ztl) nel Canal Grande. «Chiedo il futuro», dice, «obbligando a utilizzare i mezzi elettrici». Gli imprenditori devono investire. Perché non lo ha fatto ancora? Il sindaco sale a bordo. Il prova, si fa spiegare le loro caratteristiche. «Soli pubblici non ce ne sono», avverte, «è un'innovazione che i trasportatori, i ristoranti e noi andremo in cerca di fondi europei. Il futuro ci porta in quella direzione. Meno rumore, meno inquinamento. Basse emissioni e in qualche caso anche silenziosi. I motori elettrici sono silenziosi. Si possono utilizzare nelle acque calme, nei ri interi e in Canal Grande. Si può cambiare la propulsione semplicemente premendo un bottone e tornando al gasolio. In quel caso si carica viaggiando anche le batterie. Le batterie possono essere messe in carica anche nella rete elettrica e nelle centraline. Che però ancora a Venezia non ci sono. Come partire? «Un passo importante», commentano gli operatori, «anche se i problemi ce ne sono». Il primo: il peso delle batterie. 400 chili per un "topo" da trasporto, almeno 200 per un taxi. Poi le dimensioni del propulsore, non sono compatibili con il vano motore dei taxi. «Ma l'obiettivo

diotto con l'obiettivo realistico di ridurre il numero di turisti che entrano in barca nel Canal Grande. Il sindaco Boraso ha annunciato la Ztl per l'acqua. Boraso: «Due anni, poi l'ordinanza». Nella foto: il sindaco Luigi Boraso e i partecipanti al convegno organizzato nell'isola della Certosa durante la prova della imbarcazione.

Il primo cittadino punta sulla concentrazione. «Vogliamo realizzare questo progetto con il contributo delle categorie. Un turista preferisce viaggiare in silenzio e senza fumo»

Il peso delle batterie e le dimensioni dei problemi tecnici da risolvere. «Soli pubblici non ce ne sono, ma punteremo ai fondi europei»



# Targo 3000 Neuenhauser Maschinenbau GmbH

Application: Mobile Shredder single shaft.

Engine: John Deere 6135HF Stage IV 317kW @ 2100RPM

Transfluid Fluid Coupling: 21KSDFD=80 Pulley DP350,4 5SPC/C.

The Targo 3000 has been

developed for waste, biomass, soil + building material preparation.

Two years ago Transfluid Germany has been asked to offer a solution to protect and optimize the running behavior of their shredder. The biggest problem was space. Transfluid has been selected because of long history in shredder business and the customer is



located very close just 30 min. drive from our location in Germany. After a successful introduction at Ifat 2016 and 2 years later we can say that the business develops in a positive way. The fluid coupling

is working without any problems. In the first 3 months of 2018 we already sold 8 units compared to 7 units in 2017. The forecast for 2018 will be around 18-20 units.

## Transfluid lands in Japan

At the Japan International Boat Show 2018, recently held in Yokohama from March the 8th to March the 11th, Yanmar Marine proudly displayed their new Diesel engine assembled with Transfluid's Hybrid system.

This is the final act after 2 years of tests and sea trials; one year on the test bench at the Yanmar factory, and one year on board Yanmar EX38, a single screw

sport-fishing cruiser at Yanmar shipyard. The new engine is the 6LY440, that is a 6 cylinders in line with 5.8 lt displacement, rated at 324 kW@3300rpm. Transfluid's system is the HM2000-40, equipped with 40kW permanent magnet electric machine, with 2:1 ratio marine gear and LiFePO4 battery with 19.2 kWh energy at 96Vdc.

During sea trials, in the South of

Japan Sea, all expectations and performances have been achieved by the perfect combination of the two technology put to work by Yanmar and Transfluid. This package is ready to go for pleasure and commercial boats, and Yanmar, beside domestic market, is initially also targeting the Pacific Ocean area, including the West Coast of USA.





## Transfluid will supply an important powerplant in Belarus with D21KSL-HS

Transfluid is proud to announce the acquisition of a new important job in the powerplant business. In the continuous effort in order to expand the presence in this key industrial sector, Transfluid has developed the D21KSL-HS fluid coupling. This transmission, based on the proven KSL-HS platform, consists of a double circuit fluid coupling with 21" impellers made of a special alloy designed to withstand the high power/high speed task typical of these applications. The D21KSL-HS is capable of transmitting 3,5 MW@3000rpm and 4,5 MW@3600rpm with stepless speed variation in a 5:1 range for centrifugal machines. Thanks to the development of this new product, Transfluid got an order for the retrofitting of a 3,4MW@2980rpm boiler feed pump in the Novopolock TPP powerplant located in Belarus. The customer, Vitebskenergo, is the biggest player in the Belorussian electric market, with 16 different plants

in the country. This is the pilot project for the modernization of several powerplants with the aim of getting better efficiency through speed variation control of the BFPs according to the powerplants load. In case of success, other similar projects will follow in the next years. The supply includes one unit D21KSL-HS with shell and tubes cooler group, one local control panel and input/output disc couplings. Commissioning is expected by the first months of 2019.

