

hybrid

PROPULSION



Frauscher

STEYR MOTORS
HYBRID
CLEAN EFFICIENT POWER



hybrid PROPULSION

Frauscher Bootswerft and STEYR MOTORS will provide detailed information on the Hybrid Propulsion Solution and the implementation January 19 – 27, 2008 at “Boot 08” Düsseldorf.

FRAUSCHER BOOTSWERFT – HALLE 11 G69
STEYR MOTORS – HALLE 9A-56

Comprehensive and extensive material will be supplied in January upon the official presentation.

WORLDWIDE FIRST SERIAL HYBRID PROPULSION SYSTEM FOR PLEASURE BOATS

The long standing collaboration between the Austrian companies **STEYR MOTORS** (www.steyr-motors.com) and Frauscher Bootswerft (www.frauscherboats.com) has now resulted in the exciting commercial launch of the worldwide first serial Hybrid Propulsion System for pleasure boats at “Boot 08” Düsseldorf in January 2008.

The environmentally friendly hybrid solution marks a new chapter in the history of pleasure boat propulsion. It not only assures zero emission and low speed manoeuvring in harbours, noiseless drive on inland waters and nature reserves, but also eliminates the need for separate generator units for other onboard equipment. The “zero emission” electric drive mode allows for a speed of 5 knots using solely electric propulsion and switches to the combustion engine with an easy turn of the ignition key. The ingenious propulsion then gets “boosted” by the electric drive and secures a quicker acceleration into the planning phase lowering fuel consumption and improving response and dynamics. Significantly reduced maintenance cost and improved ease of service, due to the brushless permanent magnet generator, are further irrevocable arguments that **STEYR MOTORS** and **FRAUSCHER BOATS** Boats are introducing a serious technological novelty.

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EIGHTY YEARS OF FRAUSCHER BOATS

In 1927 Engelbert Frauscher founded the first shipyard at the “Old Danube” in Vienna. Quickly he gained an excellent reputation and in the 1930s crafted the O-Yawls for the Olympic Games. 1945 the brave boat-builder re-started and set up his business in Gmunden.

In the 1950s the first own electric and motor boats left the yard. Since then Engelbert’s sons and grandsons continuously advanced the development. Also on the water ambitions were crowned with success. Hans and Stefan Frauscher won world champion titles in regatta sailing on H-boats constructed in their own shipyard. With the support of outstanding employees Frauscher today manufactures well respected sailingboats, electric and motorboats that are distributed worldwide through dealers in 14 Nations.

A CONCEPT WITHOUT COMPROMISE

We develop sailing, electric- and motor boats with an exceptional international reputation based on a reliable combination of excellent craftsmanship, functional, forward-looking technology, top materials and remarkable appearance.

CONTINUITY AND DRIVE

Our designers, engineers and boat-builders are dedicated watersport enthusiasts and idealists, who have turned their calling into their work. Due to their longlasting experience and commitment they form a professional team that perfectly well understands how quality comes before quantity. Rare characteristics, such as unmistakable intuition for perfect alignments, sophisticated high-tech solutions and meticulous love for detail, are their crafting tools in this process of planning and building boat models in our family manufactory.



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STEYR MOTORS GMBH arisen from the traditional and historical **STEYR DAIMLER PUCH**. With pride and paired with the necessary self-confidence, we have accepted the new challenges of the market. Today, we present ourselves as an innovative manufacturer of modern diesel engines for a huge variety of uses in the industrial, special vehicle and marine areas.

An important and ideal market for **STEYR** engines, is the marine market, where the light, extremely quiet and environmentally-friendly diesel engines have achieved an unbelievably high global market acceptance in a really short period of time. From the South Pole past the equator to the North Pole, **STEYR** diesel engines have been proven brilliantly under the hardest of environmental conditions. The sturdiness and resulting large advantages for the users have created huge trust in our products.

The huge significance of the **STEYR** diesel engine is in its unique design. Through the revolutionary concept of the Monoblock construction and direct diesel injection with the worldwide patented two-level pump nozzle, it has been possible to develop a reliable, high speed, lightweight diesel, which is ideally suited for the boat sector and a huge variety of other special applications due to its high performance, economic consumption, great emission vales and low installation dimensions. These special characteristics of the engine, our own in-house development department and motivated employees together with high investments in metrology and test facilities are among the decisive reasons for the positive image that **STEYR MOTORS** now has in the world of technology and diesel engines.

The spectrum of products now ranges from 75 – 250 HP (soon there will be a 300 HP/225 kW), which are sold and serviced throughout the world by **STEYR** general representatives as series 4 and 6 cylinder. The dense network of **STEYR** service partners is the guarantee for the best and most comprehensive customer care, which is hugely important to us.

We use a huge variety of cooperation's and facilities to enable us to do this. This is why our integrated flywheel generator (IFG) was developed in collaboration with the Universities of Laibach and Vienna and our latest product, the **STEYR HYRID SOLUTION** in collaboration with several regional companies, which have merged into "Netzwerk ADC plus