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WinGD continues drive to digitisation with Shipdex™

Maintaining the rapid pace to apply the latest digital technology to its low-speed diesel and dual-fuel engines and corporate processes, engine designer Winterthur Gas & Diesel Ltd. (WinGD) has announced its participation in the Shipdex™ community.

The Shipdex™ organisation has introduced a version of the S1000D™ specification for digital data exchange applied in the aerospace and defence industry, and adapted for the marine sector. This S1000D™ specification standardizes electronic dissemination of technical data to equipment makers, shipyards and ship owners. WinGD is committed to making all its technical documentation available to ship builders and operators in a digital form, which complies with the precisely defined and internationally established standards in Shipdex™.

The primary scope of Shipdex™ is to allow manufacturers and customer to create a technical documentation repository where all the data is collected and managed under quality, configuration and version control. In addition, the Shipdex™ protocol allows the automatic import of technical data into the Computerized Maintenance Management Systems (CMMS) and Enterprise Resource Planning (ERP) at shipyards and on board vessels. "With important data, such as our Operation Manuals, Maintenance Manuals and Spare Parts Catalogue, converted into Interactive Electronic Technical Publications (IETP), we can compile, structure and deliver the data to shipbuilders and engine end-users much more rapidly and effectively," explains Rudolf Holtbecker, Director Operations at WinGD.

WinGD completed its first project to make data on its engines accessible in accordance with Shipdex™ standards. "Our recently launched X52 diesel engine is our first new engine project in which we employed Shipdex™ standards for all technical documentation. We will now continue to apply the philosophy to all new engines and convert existing documentation for our complete engine portfolio with an overall target of having the complete portfolio accessible by mid-2020." Rudolf Holtbecker adds.

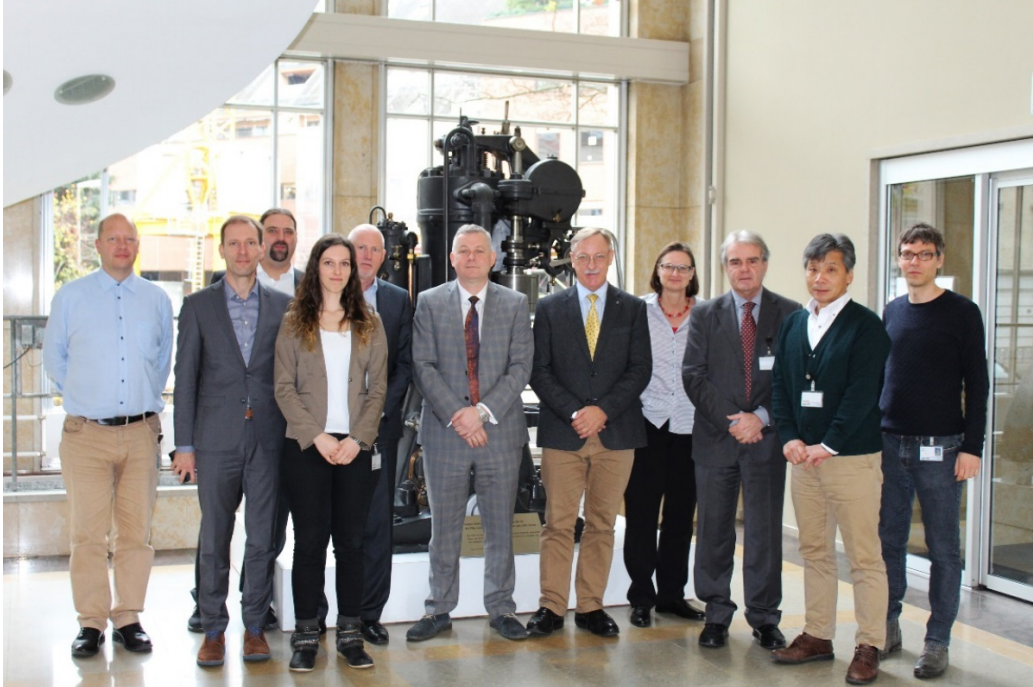
With the application of Shipdex™ standards, WinGD plans to leverage the full potential of digitisation in the design, production and operation of its low-speed engines. "Shipdex™ allows us to realise digitisation as an industry trend and ensures that all possibilities are considered and all synergies realised," notes Rudolf Holtbecker. "The fact that almost all modern ship management programmes are compatible with Shipdex™ means that this format will have a very positive impact."

Beyond the automated data exchange, WinGD sees great potential in training crews in accordance with the Sharable Content Object Reference Model (SCORM), the standard for e-learning employed within Shipdex™. Also, the maintenance planning functionality offers further benefits to customers.

The Shipdex™ standard is continuously evolving new features to meet the users' demands. As such, an in-service field data-feedback standard is under development.

From his standpoint, Marco Vatteroni, Technical Manager at Shipdex™ organisation, is delighted that WinGD has joined the community. "With WinGD on board, Shipdex™ has gained a very important designer of ships' equipment. WinGD's participation represents a major step towards establishing a comprehensive community of marine equipment

suppliers who are all supporting the optimisation of production and asset management in the shipping sector through the potential of digital information exchange. I am very proud to cooperate with WinGD to implement their Shipdex™ process.”



Caption: Shipdex Steering Committee Meeting taking place on November 9th, 2017 in WinGD's headquarters in Winterthur, Switzerland.

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WinGD in Brief:

Winterthur Gas & Diesel Ltd. (WinGD) is a leading developer of two-stroke low-speed gas and diesel engines used for propulsion power in merchant shipping. WinGD's target is to set the industry standard for reliability, efficiency and environmental friendliness. WinGD provides designs, licences and technical support to manufacturers, shipbuilders and ship operators worldwide. The engines are sold under the WinGD brand name and are manufactured under licence in four shipbuilding countries. WinGD has its headquarters in Winterthur, Switzerland, where its activities were founded in 1898.

Shipdex™ in Brief:

Shipdex™, as the gateway to digitisation is a set of international business rules developed to standardise and improve the production, the exchange and the use of technical data between equipment makers, shipyards and ship-owners.

It enables equipment manufacturers and shipyards to structure, write and deliver technical manuals in an advanced electronic and standardised format, much easier and more effective to produce and to subsequently manage, compared to traditional methods of writing technical manuals using word processors.

Shipdex™ data offer ship-owners the opportunity to eliminate or reduce the traditional pain and high costs in retrieving technical information and loading Enterprise Resource Planning (ERP) and Computerised Maintenance Management Systems (CMMS) with technical manual contents. This international protocol has been developed by the non-profit Shipdex™ organisation (www.shipdex.com).