

Mon 05.07.10 13:17

Successful Time of Flight Diffraction Seminar in Shanghai: SGS Keeps Training Non-Destructive Testing Technicians

On May 24, 2010, the SGS NDT Training & Examination Center successfully held a Non-Destructive Testing (NDT) seminar in the Gloria Plaza Hotel Kangqiao in Shanghai, China. With the latest Time of Flight Diffraction (TOFD) technology and cases from Europe, SGS has shared its valuable experience with local manufacturing enterprises.



To counter with the confusion caused by the different existing Non-Destructive Testing (NDT) certifications and training courses across China, SGS keeps promoting the importance of continuous education of NDT technicians by holding seminars on NDT applications.

The latest seminar, being held on May 24, 2010 in Shanghai, China focused on one of the most important NDT method for the detection of flaws, namely the **Time of Flight Diffraction (TOFD)**. The seminar about the latest technology contained also discussion sessions on European regulations and standards and has attracted numerous enterprises to join.

The seminar was held by Norbert Trimborn, the president of the Authorized Qualifying Body of the TOFD Examining Committee and head of special examinations at SGS. He explained not only what TOFD is, when and under which conditions it can be applied but also the advantages and disadvantages of this method. Furthermore, attendees learned about the in-service and pre-service applications of TOFD such as weld inspection of vessels, piping and pipelines, storage tanks, spheres and wind turbines.

After the seminar attendees had the chance to visit the **SGS Materials Testing Laboratory** in Shanghai and were introduced the laboratory capabilities.

SGS will continue to deliver updated NDT information to help enterprises improve their efficiency, especially in the shipbuilding, metallurgical and pressure vessel industries.

About Time of Flight Diffraction (TOFD)

Time of Flight Diffraction (TOFD) is an **Ultrasonic Testing Technique** originally developed to increase the sizing accuracy of flaws previously detected by conventional NDT techniques. By now TOFD has become one of the most important methods for flaw detection and is accepted worldwide. In many cases it has replaced on-site **radiography** as TOFD has strong advantages in terms of safety, required time of inspection and costs.

Due to insufficient knowledge of (some) service providers about the application of this new technology, flaws remained undetected, causing a general lack of confidence in the TOFD application. This is why it is essential to educate NDT technicians about the correct and incorrect use of this test medium and the interpretation of the results.

About SGS NDT Training & Examination Center

As the SGS NDT Training & Examination Center is a BINDT Accredited Training Organization (ATO) and an Authorized Qualifying Body (AQB) for TOFD our certifications correspond with well known international standards. Moreover, SGS is qualified to conduct both the required pre-examination training and the PCN examinations for Levels 1, 2 and 3 NDT technicians.

For more information, please contact:

SGS NDT Training & Examination Center

Zinner Liu
2F, Building 8, 69
Kangqiao Industrial Park,
1159 East Kangqiao Road,
Pudong District, Shanghai
201319, P.R.C.

t: +86 (0)21 68183905
f: +86 (0)21 68183265

Email: ndt.training@sgs.com
Website: www.sgs.com/ndt-training

The SGS Group is the global leader and innovator in inspection, verification, testing and certification services. Founded in 1878, SGS is recognized as the global benchmark in quality and integrity. With 59,000 employees, SGS operates a network of over 1,000 offices and

laboratories around the world.