



TTMJ NEWSLETTER – JANUARY 2018

THE NEW DIAPHRAGM WALL JOINT SYSTEM

(European Patent 2732101 Validated in: France, Germany, Italy & UK. US Patent 9371623. Other patents pending)

TTMJ, the new diaphragm wall joint system allowing greater depths and higher quality joints, was first presented at the DFI annual conference in New Orleans in October 2017. Further details of the system were presented at the EFFC – DFI conference in Rome in June 2018 and ICOLD in Vienna in July 2018. To satisfy the many enquiries received, and interest expressed, the TTMJ team have decided to publish a newsletter at two monthly intervals. This first edition is being sent out in January 2019 and the next edition will be published in March 2019. More information about the TTMJ Development can be found on the project website: www.ttmj-h2020.eu. To request inclusion on the distribution list for the TTMJ newsletter please email: info@ttmj-h2020.eu

TTMJ TRIMMER

Manufacturing and assembly of the TTMJ trimmer has been underway for some time and will be completed this month. The photograph shows the partially assembled TTMJ trimmer in Soilmecc's factory in Cesena, Italy.



TTMJ FIELD TRIALS

Preparations are well under way for the Field trials of the TTMJ System. They will be taking place in Cesena, Italy with the first trimming test scheduled for 28th January 2019.

A 20m deep rectangular test shaft, normally used for testing hydro-mills, will be used for the tests. Concrete test beams will be lowered into the shaft and fixed in position. The TTMJ Trimmer will then mill down the face of the concrete beam to form the joint. Six trimming trials are planned, allowing three different surface profiles and two different concrete strengths to be trialed. In addition to the six trimming trials, there will be a concrete pouring trial, simulating placing concrete into the adjacent diaphragm wall panel, and pull out tests to measure the ultimate restraint provided by the TTMJ track and the strength of the tension connection across the joint.

The photographs show the construction of the test beams, which are being cast in 10m sections, and the inclusion of an optic fibre monitoring system which will be used to monitor concrete quality.



Once the TTMJ team have carried out the first two or three trials they will be inviting interested Clients, Engineers and Contractors to witness the later tests. If you would like to be invited, please email: info@ttmj-h2020.eu



BAUMA

The TTMJ team will be in attendance in the Soilmecc booth at Bauma, April 8th to 14th 2019 and will be providing seminars on the TTMJ System. Our March 2019 newsletter will provide more information, and details of how to attend one of the seminars

DIAPHRAGM WALL PROJECTS

The TTMJ team are currently looking for diaphragm wall projects, due to start in the second half of 2019 or later, that would benefit from the use of the TTMJ system. Circular shafts are of particular interest. If you have such a project and would like to hear how the TTMJ System can provide a higher quality diaphragm wall at reduced cost, please email: info@ttmj-h2020.eu



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