



## News flash

### **Pioneering in advanced usage of BIM on construction site**

July 18, 2017

Tebodin

Tebodin in Russia prepared a survey on methods for building structures and facilities by using digital equipment and software. The survey was done in close cooperation with multinational software provider Autodesk, and ZAO Geostroyizskaniya, a land surveying equipment supplier.

Laan van Nieuw Oost-Indië 25  
2593 BJ The Hague  
The Netherlands  
Phone +31 88 996 7907  
[b.stokman@tebodin.com](mailto:b.stokman@tebodin.com)

The purpose of the investigation was to find new opportunities for an advanced approach to geodetic works and for good quality control over construction works. Tebodin tested the Point Layout software that helps contractors and subcontractors to bring model accuracy into the field. The testing was performed on a client's construction sites in the Moscow region, where Tebodin provides the basic design, permitting, procurement, detail design supervision and construction management. The basic design was executed with BIM technology, which simplified the investigation.

During the investigation, electronic robotized tachometers and Point Layout software were applied. During the next stage of the investigation, laser 3D scanning was applied for scanning a room, thus comparing the outcome with the available model and executing its reconstruction. The tests proved that the tools not only help to identify failures, but also to prevent them. It also proved the irreplaceability of tools in terms of efficiency, error reduction, man-hours and cost effectiveness. The report is a decisive one for Tebodin to develop BIM not only for design but also for construction projects.

Both for Tebodin and Autodesk it is a new development for the construction market as well as for the first stage of investment projects in Russia. The team is proud of being pioneers in this BIM technology area.

If you would like to receive the report of the survey, please send an e-mail to [svetlana.vasilieva@tebodin.com](mailto:svetlana.vasilieva@tebodin.com).



**BILFINGER**

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To see the two video shoots on the investigation, please follow the links:

<https://www.youtube.com/watch?v=19-2lyHSETo&t=2s>

<https://www.youtube.com/watch?v=gQ4hUDvxNvA>