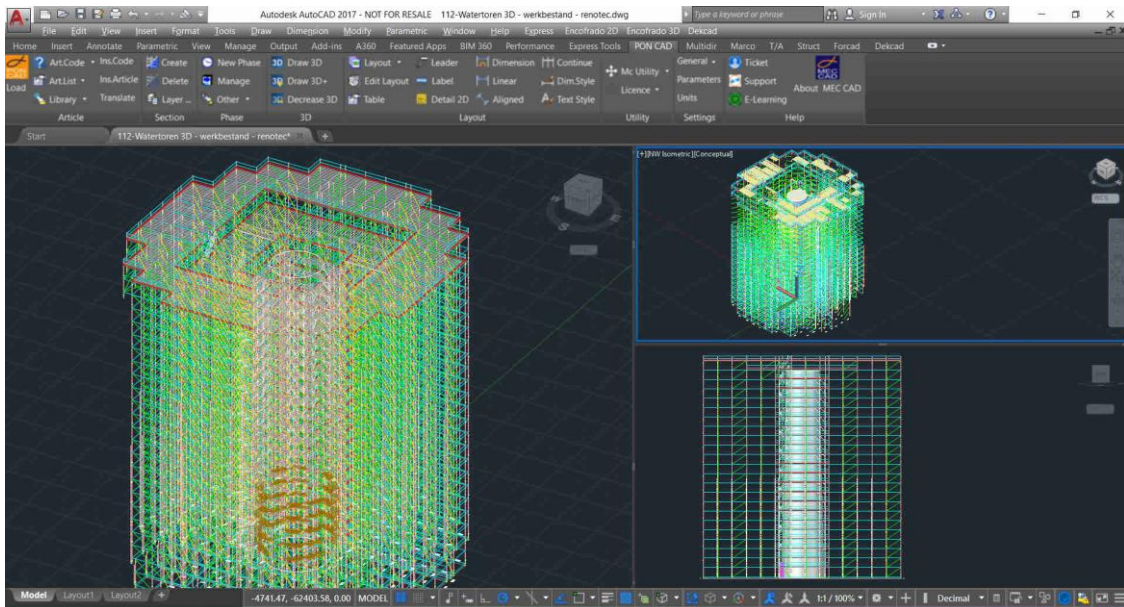




## RENOTEC projects with PON CAD the Scaffolding for almost 50m Water Tower in Belgium



Name of Project: Water Toren  
Place: Mechelen-Zuid, Belgium  
Scaffolding System: Circular multidirectional  
Height: 48 metres  
Diameter: 40 metres  
Total weight: about 275 tons



[Group Renotec](#) is a highly-specialized construction company with more than 30 years of experience. The group focuses on renovation and reconstruction projects, offering a new future to buildings, monuments and public infrastructure, such as bridges.



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The company Renotec has been given the honour of carrying out concrete repairs on the inside and outside of the reservoir and on the shaft up to the reservoir.

For the purpose, the company used **PON CAD software** to design the scaffolding project. In order to carry out these works, a large circular volume scaffold was built up to 48m high and with a diameter of about 40m as well. This round volume was built from many squares of mainly 3x3m to keep the construction as simple as possible. The total scaffolding construction had a weight of about 275 tons.



This construction has served as a water tower and a transmission tower since 1979. With a total height of 143m, this is the highest water tower in the world.

The water tower has a conical shaft with a base with a diameter of 9.2m. At a height of 44m is the bottom of the water tank. This has a bi-conical shape with a diameter of 40m and a capacity of 2500m<sup>3</sup>. The widest point is at 48m high.