Testimonials

Shell

Rotterdam, November 2015
We attached the magnet anchors during a turn around on the inside of a tower due to inspections. The location was not or hardly accessible and positioning an internal scaffold was the best option on short term. However, the body of the tower was covered with stainless steel cladding and touching galvanized scaffold material and stainless steel cladding was not recommended. We used magnet anchors to install sails (directed) on the inside of the tower to avoid touching the scaffold material during assembly and disassembly. After the scaffold was installed and was stamped with rubber on the walls for stability, we again removed the sails to start the inspection. This saved degalvanisation/galvanizing of scaffold material and transportation costs: a saving of €138,000.

Dow Chemical

Problem: "Normal anchoring" of scaffolds for storage tanks is not always possible and large, cone shaped scaffolds are built with an extra ballast weight. Dow was looking for a solution to position a stable scaffold structure at an ethylene tank in a safe, quick way and at lower costs.

Solution: Magnetic anchor points offered a solution here. A slim scaffold structure is connected with the steel tank wall using permanent magnets. Savings are significant.

Bilfinger UK

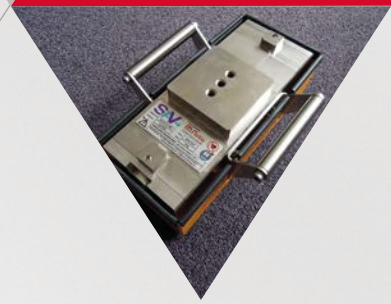
Erecting and dismantling a scaffold type as shown in the attached picture has shown a saving of 41%. This saving is mainly created by using less hours to erect the scaffold. This led to an advantage in money and in turnaround time. The scaffold was used for painting. We from Bilfinger UK see in the magnetic anchor an innovative and cost saving piece of equipment with a great future.

For more information:
www.mcnetiq.com

McNetiq
CONTROLOCK

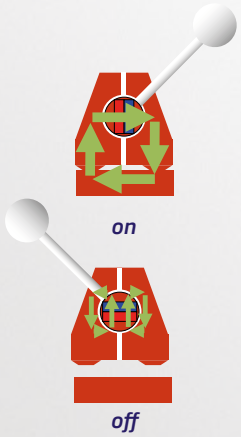
Magnetic Scaffold Anchors

THE FORCE IS YOURS...



Clean, reliable and efficient

A magnet is a reliable and sustainable way to (temporary) build steel connections without any material damages as a result. Material thickness, corrosion and coating of the surface to be anchored, however, determine the magnet force.

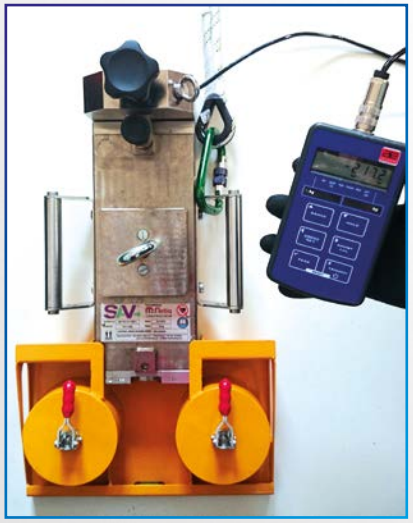


Condition for safety

Measuring the magnet force on site, prior to the load, is therefore a condition for safety. McNetiq B.V. has developed a solution for this: the Controlock technology. Controlock stands for manually geared, permanent magnet connections, in other words not powered and Atex proof.

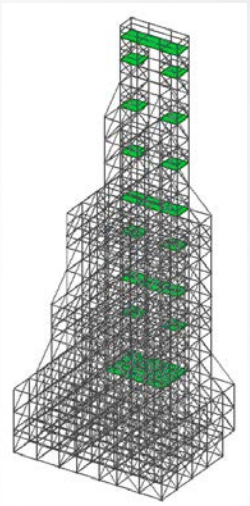
Measure to manage

Using Controlock, the perpendicular pull force and shear force can be measured applying a load cell and a digital pressure gauge. This creates a 100 % assurance on the maximum load of the magnet at the anchor point. The Controlock system is patented and certified for scaffolding by Lloyds and Dekra/Plurel.

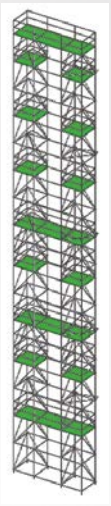


Scaffolding

Using the Controlock Scaffold Anchor, scaffolds can, for example, be attached to storage tanks, ship hulls, bridges, and cranes. Standing scaffolds will be anchored to the wall, which saves up to 70 % of material, mainly buttresses. This also saves turn around time. For suspended scaffolding, the Controlock Scaffold Anchor replaces the welded joints.



Traditional way:
24 tons of material



Controlock way:
6 tons of material