

SPX Power Team Cylinders Lift 7500 Tonne Italian Bank

The 7500 tonne UniCredit bank in Milan was lifted using SPX Power Team hydraulic cylinders for anti seismic bearings to be fitted or replaced.

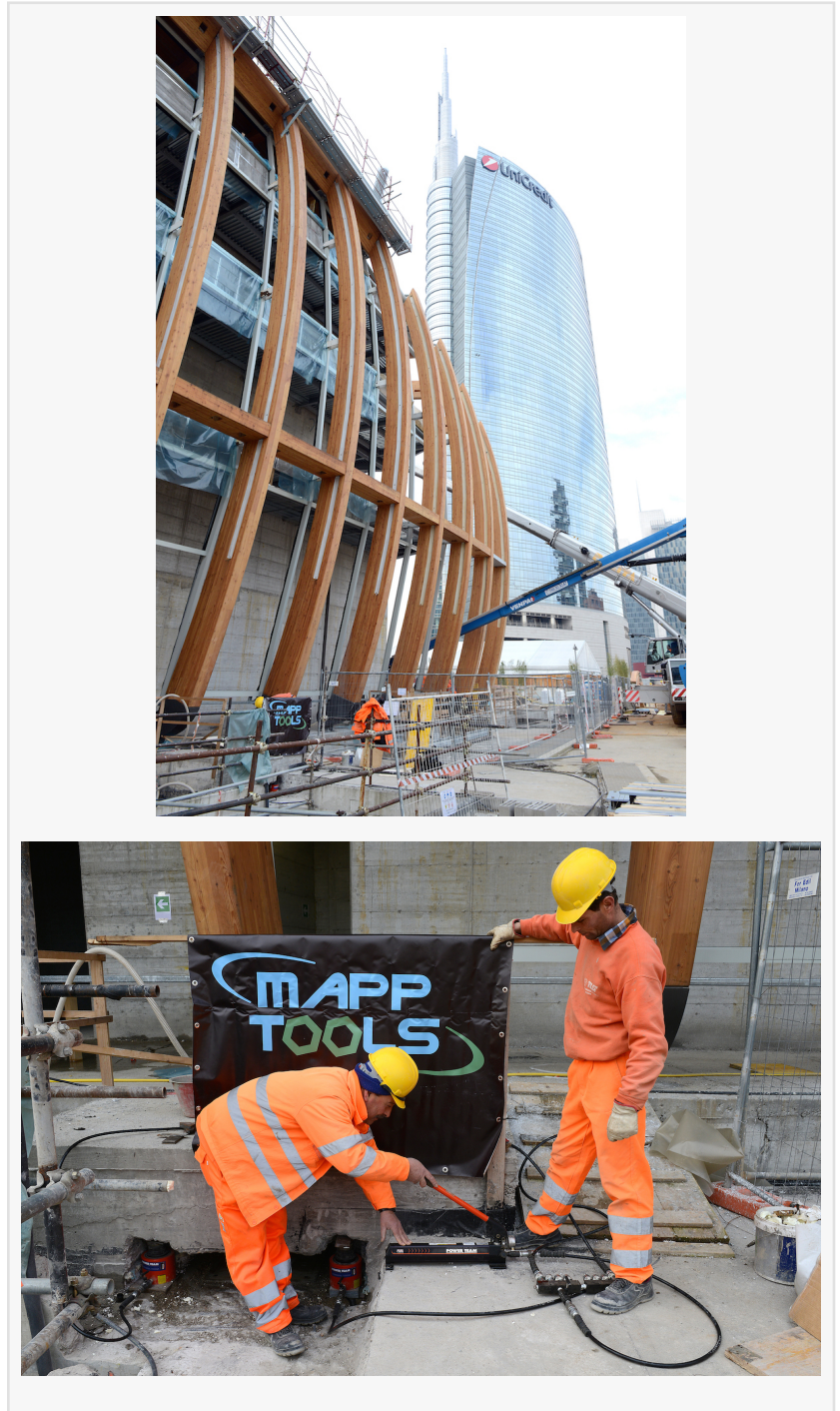
MILAN, ITALY/ UK, April 21, 2015 /EINPresswire.com/ -- Milan / Italy/ UK, March 24, 2015 – When the UniCredit bank in Milan needed lifting so that anti seismic bearings could be fitted or replaced, the 7500 tonne building was raised in several steps using SPX Power Team hydraulic cylinders.

The bank is one of several buildings in the Porta Garibaldi area of downtown Milan, which is currently undergoing a face-lift.

“The cylinders played a key role in the process to reinforce the structure of the building and increase its ability to withstand natural disasters such as earthquakes,” said SPX Hydraulic Technologies Regional Sales Manager, Luca Restani.

“The task needed very specific cylinders in as short a timeframe as possible; it was critical to get the equipment quickly and complete the job before snow arrived, as the wooden structure was exposed. Also the cylinders need to be very compact to fit into smaller areas.”

The project, which was undertaken by TLS (Tecnologie Lavori Stradali) and SPX Power Team distributor MAPPTOOLS, was carried out in two stages.



First a steel structure was erected around the concrete piles at the base of the building. These were used to mount the cylinders and push through the roof to reach the upper concrete slab. This allowed

the appropriate anti seismic locator to be installed. For this part of the process, POWER TEAM RC1552P cylinders AND a 9575 valve were used. The heaviest point lifted was approximately 1000 tonne.

“These were chosen as they are compact pancake cylinders and the locking collar can hold the weight safely for a long period of time.”

The second stage of the project was to lift two concrete slabs and install anti seismic bearings between them. For this, a cylinder with appropriate force, stroke and closed height was necessary; POWER TEAM RSS1002 cylinders were used for this, along with valve 9675.

Since lifting the bank, SPX Power Team, MAPPTOOLS and TLS lifting have been working on a project facing the opposite

challenge – lowering the roof of a building in the Alpine region of Italy.



About SPX:

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*SPX Hydraulic Technologies,
Luca Restani*

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for utility companies, and cooling systems for power plants. For more information, please visit www.spx.com

Note to the editor

High res photos are available. Please get in contact if you would like any of the below:

PHOTO CAPTIONS:

1. 7500 tonne structure lifted using Power Team Tools, Porta Garibaldi area of downtown Milan.
2. SPX POWER TEAM cylinders and pump raising concrete foundations.
3. SPX POWER TEAM cylinders raising concrete piles through roof to reach upper concrete slab.
4. SPX POWER TEAM tools allow anti seismic bearings to be fitted.

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