

SC

Mast climbing
work platforms
References worldwide II

SCANCLIMBER®
by Tractel®

Muuraus Nahkala, bricklaying using our strongest mast climber, the SC10000.

The student housing organization KOAS, is building new student housing in the city of Jyväskylä, in central Finland. It aims to provide 160 new apartments for students studying in the city.



Background

Student housing in Finland aims to provide affordable rental apartments for students. These apartments come in a variety of shapes and sizes to cater to student needs. KOAS is a student housing organization in Jyväskylä. It currently has 28 student apartment buildings, providing housing to over 4000 students. An increased influx of students into the city has increased demand for student housing and thus KOAS is now building a new apartment building to meet these requirements. Jyväskylä is a medium-sized Finnish city of 140,000+ residents. The city is home to over 20,000 students in higher education at the University of Jyväskylä and JAMK – the Jyväskylä University of Applied Sciences

The Project

KOAS has been building new student apartment buildings for the past few years to meet an increasing demand for student apartments. The KOAS Harju construction project was initiated by its main contractor, Pohjola Rakennus, in May 2018. It is due for completion by December 2019. The construction site is located near Jyväskylä city center and the Jyväskylä ridge outdoors area. KOAS's newest student housing project is set for completion by the end of 2019 and is expected to host its first tenants in December. The project consists of two separate buildings totalling 160 apartments - 136 studio apartments and 24 two-room apartments. The new apartment buildings' name "Harju" is Finnish for "ridge". This is because the buildings are located near the Jyväskylä ridge, formed during the ice age. This area functions as a park, and enjoys a great view over the city.

Solution

The Centum SC10000 is our strongest mast climbing work platform to date. It is designed for heavy-duty facade work and for projects requiring a larger platform size at demanding heights. Its maximum loading capacity with a single mast is 6,000kg with a platform length of 4.1 meters – but with a twin mast setup its lifting capacity can exceed 10,000kg with a platform length of 15.8m. As can be seen, this mast climbing work platform truly offers fantastic working efficiency.

The project's subcontractor, Muuraus Nahkala, used the Centum SC10000 for brick-laying work. Muuraus Nahkala chose the SC10000 for this project due to its long reach, heavy lifting capacity and available extensions. As can be seen in the photos and project video show, the facade will be of a light-colored brick, which blends in well with the surrounding buildings. The construction project also employed two Maxus SC5000s for facade work.

Customer feedback

Muuraus Nahkala's general manager, Janne Nahkala, has experienced the benefits of using mast climbers before, as in the Attendo Kultakehrä bricklaying project. This is what he had to say about our mast climbers:

"They (the mast climbers) make working easier. The working height is better and there is nothing blocking your view on the wall. This way you can access the wall much better and always work at a height of your own choosing."



Project Facts

Location	Jyväskylä, Finland
Project Timeline	May 2018 - Dec. 2019
Main Contractor	Pohjola Rakennus Group
Machines Used	1 x SC10000 2 x SC5000
Max Working Height	24 m



Scan to watch the video



Mast Climbing Work Platforms used on Frankfurt's tallest skyscraper

The Grand Tower in Frankfurt is the tallest residential building in Germany (as of 2018). Scanclimber by Tractel delivered 12 customised units of Monster SC8000, 2 units of Maxus SC5000 and 4 units of Kosmos SC4000 mast climbers for the challenging facade work on this construction project.



Background

The Grand Tower is a huge residential apartment building in Frankfurt. Standing at an impressive height of 172 meters, it is the tallest residential building in Germany with 47 floors. The building has a total of 401 apartments. Taking part in this mega project was a matter of immense prestige for Scanclimber, considering the scale, location and complexity of the building design. This had been one of the most challenging assignments in terms of developing specialized additional configurations for the used mast climbers.

Challenges

The project includes installing balconies, and façade elements such as railings and glass panels that cover the balconies. This project entailed many challenges with for vertical access due to the building's unusual layout. Scanclimber has several platform extensions, such as the SDE (Sliding deck extension) and ARE (All reach extension), that cope very well with usually inaccessible spaces. In this case however, the requirements exceeded the existing extensions' capacity and reach.

Solution

After months of rigorous brainstorming, R&D and testing, Scanclimber's innovative team came up with what can be called "a showcase of customized and specialized solutions" for this project. Each platform configuration is unique. Even the traditional platform extensions, such as the ARE, were customized for their jobs on three different platforms. Special platform extensions such as, the ARE, were customized for their jobs on three different platforms.

Special configurations

Twelve SC8000 units with varying degrees of modifications were used for this 172m-tall project. Some of them included MCWPs with Scanclimber's well-known extensions, such as the ARE and SDE. Six MCWPs were equipped with a total of eleven sliding deck extensions of different lengths and arrangements. Three MCWPs were equipped with All Reach Extensions (ARE). There were two different kinds of ARE used for this project; one with a 7m-long deck and the other type with a 3.6 m long deck.

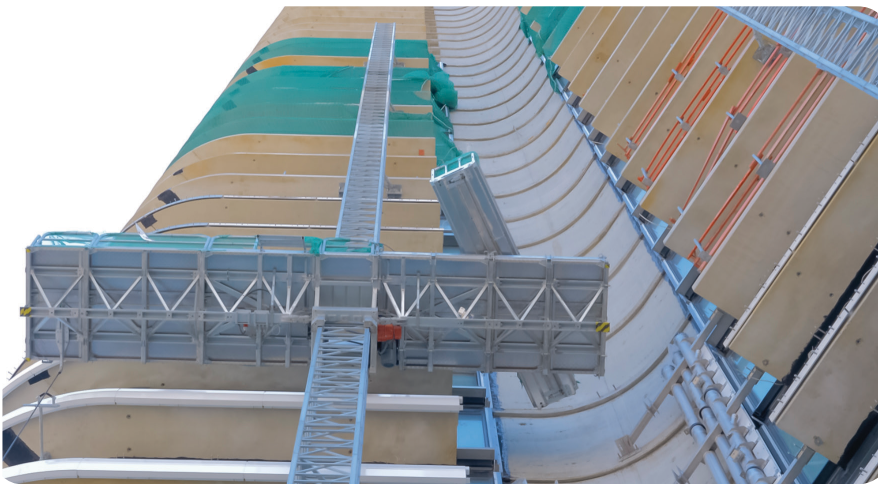
Innovations

The unusual structure of this project provided an opportunity for innovation in the form of new kinds of platform extensions at Scanclimber. The new add-ons and extensions on this project were:

- Mast area covering bridge (MACB)
- Edge extensions
- Buffer transport platforms
- Ramp / Walking platforms
- Fixed extensions

Conclusion

This was by far the most difficult project handled by Scanclimber in terms of the extent of customizations. It has led to the creation of new kinds of MCWP extensions which are now a part of our extensive product catalogue.



Project Facts

Location	Frankfurt, Germany
Project Timeline	December 2017 - Present
Main Contractor	gsp Städtebau GmbH
Machines Used	12 x SC8000
	2 x SC5000
	4 x SC4000
Max Working Height	172 meters



Scan to watch the video



Noise cancellation innovations for a renovation project at Blue Horizon, Frankfurt

In the heart of Frankfurt, 2.8 meter tall noise cancellation panels were used with Scanclimber mast-climbing work platforms on the renovation project of an old office building.



Background

The metropolis of Frankfurt, the largest city in the German state of Hesse and financial hub of the country, faces an increasing demand for residential buildings. As a direct result of this trend, an office tower in Frankfurt, the Blue Horizon, has been remodeled as a residential apartment tower in which Scanclimber played a major role. This 19-story building is just a stone's throw away from Frankfurt's famous exhibition center and has some 120 apartments with spectacular views.

Challenges

This is a building remodeling project where an old office structure will be converted to a residential apartment building. The job at hand was to remove the old precast façade elements in one piece and then remake the façade with dowels, windows and bricks.

The main challenges in this project are neither its building height or vertical access. But instead:

- Removing the old (and heavy) precast concrete elements and storing them on a stable platform
- Inserting hundreds of insulating elements into the façade by drilling holes while protecting the surroundings from noise pollution
- Installing new large windows and tiles on to the façade with as few anchoring interferences as possible.

Solution

After a thorough R&D process, Scanclimber has come up with a platform model that tackles the noise issues.

- Removing old façade elements and storing them on a platform requires heavy payload capacities, which is why Scanclimber's SC8000 mast climbers were used for this job. A total of 10 MCWPs were used for this project: five SC8000 units and five SC5000 units.
- The anchoring points were on the beams inside the buildings which were accessed through the window gaps.
- While installing new windows, the anchors were removed.
- The MCWPs were installed with wooden panels lined with noise absorbing material. These panels are 2.8 m in height (which is the height of each floor).

Conclusion

This renovation project may sound rather straightforward in nature, but on closer inspection, one cannot help but notice that height safety and vertical access are not the only challenges concerning high rise buildings. Considering the number of individual tasks this project entailed, calling it time consuming is an understatement. In spite of the challenges, such as removing the old façade elements and storing them on the platforms, mitigating the noise while carrying out drilling operations and installing new windows, Scanclimber achieved the set objectives with great precision and creative solutions.



Project Facts

Location	Frankfurt, Germany
Project Timeline	March 2017 – December 2018
Main Contractor	UNMUSSIG
Machines Used	5 x SC8000 5 x SC5000
Max Working Height	70 m



Scan to watch the video

Counter Balanced Extensions on a zig-zag facade at the worksite in Malaysia

A demanding mast climber solution was required for the 150-meter-tall zig-zag form buildings in Kuala Lumpur. Sliding decks of almost four meters made façade works possible.



Background

The Fennel Project is the construction of an iconic landmark consisting of four, 150-meter tall blocks in the area of Sentul, Malaysia. Each block has 38 floors and includes a total of 458 apartments. The Fennel project buildings have a very distinctive architectural design. The buildings are built in pairs and have a unique wave-like shape with sharp angles. This unique amalgamation of intricate architecture with well defined parks and landscapes makes the Fennel project unique. The Fennel is a project by YTL Land & Development. The towers designed with sharp angles and wave-like shape required a highly flexible solution for façade work, requiring adjustments to the changing wall distance from the platform.

Challenges

The distinctive design of the Fennel makes it a unique and highly visible attraction in the city of Kuala Lumpur. This complex design and huge stature are bound to present a few challenges concerning façade work. The major challenges faced in this project are outlined below. The main challenge in this project was the wavy zig-zag shape of the towers, which made it difficult to access the façade using traditional mast climbing work platforms.

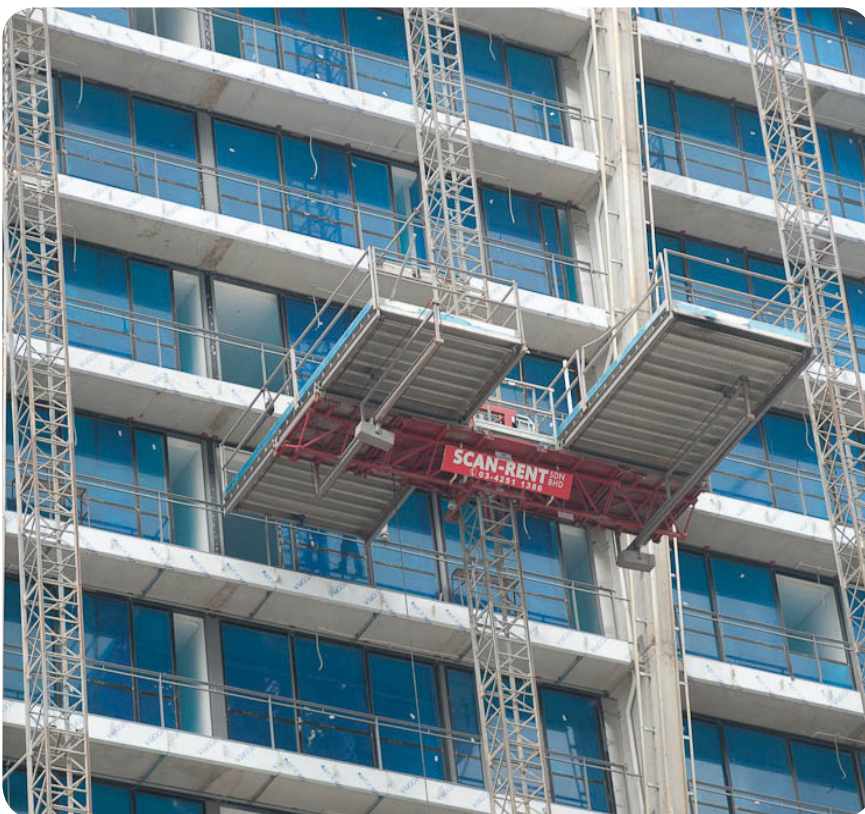
Another major challenge was the limited space around the towers for machine installation. The architectural design dictated that the machines had to be installed on a podium on the 5th floor. This podium was assembled on top of tailor-made I-beams which were built according to Scanclimber SC4000 jack load calculations. The installation and erection itself was a time consuming process since tower cranes were only available at night for these operations. The construction site is located in the city of Kuala Lumpur, with heavy traffic around the site. This caused further challenges in delivering machines with limited space to keep them at the site.

Solutions

After analysing and understanding the project requirements, Scanclimber's design team came up with specially customized sliding decks for SC4000 mast climbing work platforms. This special configuration called Counter Balanced Extension (CBE) included two separate long sliding decks on both sides of the mast. This CBE arrangement on each side of the mast formed one SC4000 MCWP unit. Both extensions were independent and balanced by a special counterweight system. Because of counterweights, loads were restricted on the rear side of counter balanced extensions.

Conclusion

As Scanclimber MCWP's had already left a positive impression during the construction of the IB tower in Kuala Lumpur, it was an easy decision to trust Scanclimber MCWP's again with another high-rise building in a similar environment.



Project Facts

Location	Kuala Lumpur, Malaysia
Project Timeline	Fall 2017
Main Contractor	YTL Land & Development
Machines Used	36 x SC4000 Kosmos
Max Working Height	150 m



Scan to watch the video



Restoring One Thousand Ocean condominium in Florida

One Thousand Ocean is a 10-story exclusive condominium representing the finest waterfront living in Boca Raton, Florida. This modern building has a curved shape and is located on a beautiful peninsula, giving residences panoramic views over the Atlantic Ocean and the city of Boca Raton. The One Thousand Ocean building is undergoing a large scale restoration project.



Background

The restoration work was commissioned to be performed with minimal disturbance to the residents. Additionally, the work site has severe access issues due to limited operational space available on site. Boom lift use is very limited in the area and most of the goods/materials have to be lifted with a tower crane or forklifts.

Challenges

At One Thousand Ocean, Waterfront Services decided to primarily use Scanclimber mast climbers from Sunbelt Rentals for the facades because:

1. The contractor needed more lifting capacity than swing stages could provide
2. On top of the building there are penthouse apartments and the contractor didn't want to create any annoyance or disturbance to the penthouse residents/balconies (which couldn't be avoided using swing stage platforms and their rigging systems). With mast climbers access was possible due to their small footprint and ground-up construction.

Solution

During the first phase of the restoration project, two mast climbers were used. During the second phase, the number was increased to five mast climbers. Additionally, some assisting swing stages were used in one corner of the building, though their use was limited due to the difficulty of coming off the roofs or around the balconies.

Mast climbers were used to perform concrete restoration work on the building's facades, painting and waterproofing on balconies, vertically transporting materials such as wall and floor tiles, accessing the balcony ledges, and concrete restoration of the sheer walls. The engineers also used the mast climbers to inspect the quality of work and for communicating with workers.

On the rear of the building, above the third floor, all the balconies angle inwards. Platform extensions were used to work around the angles above the third floor. Outriggers were set at an angle to access the balcony ledges. A stair tower was built on the side of the mast climbers to enable access to the mast climbers from the 3rd storey level. The mast climbers were on average about 12 meters long and had platform extensions to allow work on the balcony ledges.



Project Facts

Location	Boca Raton, Florida, USA
Project Timeline	
Main Contractor	Waterfront Services Inc
Machines Used	7 x SC5000
Max Working Height	26 m



Scan to read more



Window and facade installation using MCWPs at the Clarion Hotel, Helsinki

The Clarion Hotel Helsinki is a 16-story building including two towers, the taller having a height of 78 meters. Scanclimber contributed to this construction project with two SC5000 and one SC6000 mast climbing platforms and a SC1432 construction hoist. The mast climbing platforms were mainly used for façade work of the hotel. The construction hoist SC1432 was deployed for quick and efficient transportation of material and labor inside the building.



Background

The Clarion hotel is part of the new West Harbour urban development project in the vicinity of Helsinki's city center. The hotel has an ideal location, as the city centre is within a walking distance. The hotel is part of the Nordic Choice hotel chain. The Clarion hotel complex consists of two towers. The taller tower reaches up to 78 meters while the second tower is 68.5 meters tall.

Challenges

The location of the Clarion Hotel presented its own challenges during the construction phase. The work site stands adjacent to the main road of Jätkäsaari, with high traffic flows of ferry passengers and lorries leaving the Länsisatama harbour. The area is near the Helsinki city center and remains a constantly busy location. Because of the space constraints, a vertical transport medium was necessary, which could be installed and operated efficiently within the limited space available.

Solution

Scanclimber SC5000 and SC6000 mast climbing work platforms were chosen for the facade work. They were capable of covering the whole length of the façade on each side of the structure in their single mast versions. Also, the erection of the machines for the façade work was a demanding exercise due to the very limited space at ground level.

The location of the work site is a busy public area between the main road and the seafront. In fact, one of the mast climbing platforms on the front face of the building was erected just over the local bus stop. Naturally, safety was the major concern, not only for the workers but for pedestrians passing by out in the street. This public and work safety was achieved in two ways:

- Manufacturing the machines to high standards of safety ensuring a zero accident ratio at any kind of work site, whether a residential building or a highly complicated structure.
- Extra strong Maxi anchoring to the building ensured the stability of the working platforms at heights, thus ensuring a high work safety factor.
- A strong, taut sheet was laid over the area outside the part of the work site exposed to the public. This ensured public safety, eliminating any possibility of danger to people in the event of tools or material falling from the platform during the installation of façades.

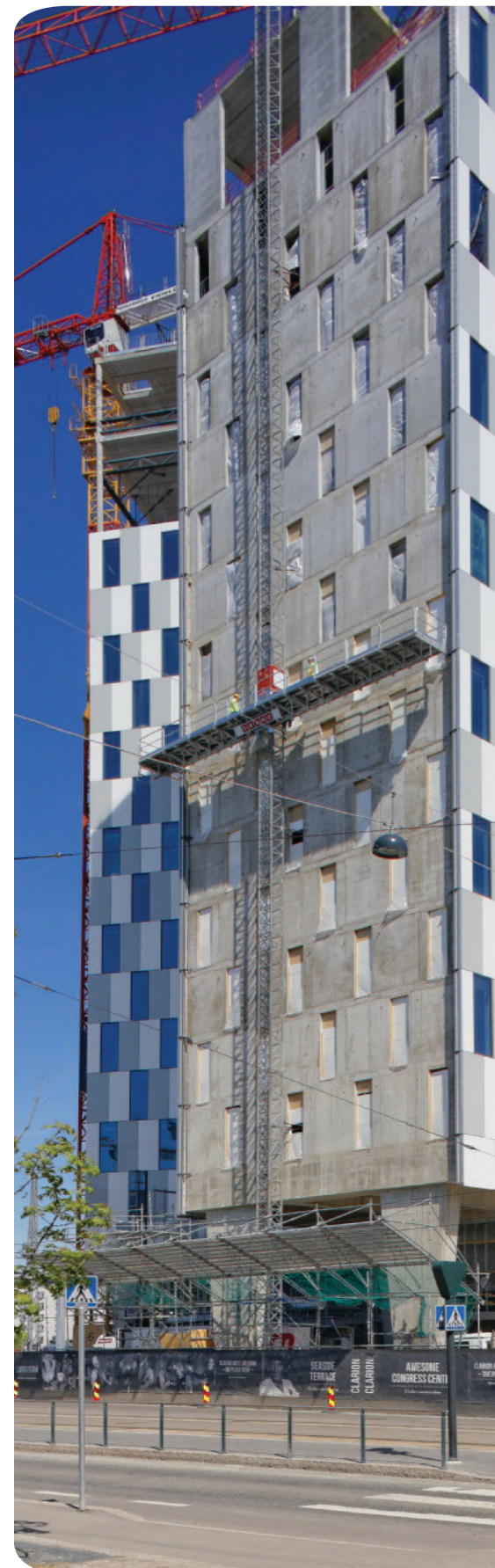


Project Facts

Location	Helsinki, Finland
Project Timeline	
Rental Company	Cramo
Machines Used	2 x SC5000 1 x SC6000 1 x SC1432
Max Working Height	26 m



Scan to watch the video



Max Bögl built the world's tallest wind turbine tower in Gaildorf

Max Bögl, a company known for its pioneering efforts in designing state-of-the-art wind turbines, kicked off a project in Gaildorf, Germany.



Background

The project includes three turbines with a hub height of up to 178 meters - with a world record height of 246.5 meters to the tip of the rotor. The project also incorporates a unique 'water battery' concept. A water battery is an innovative combination of renewable energies, such as wind power or biomass with a pumped storage hydropower plant, enabling the creation of a high performance storage solution. It consists of an upper active and passive water tank in combination with the wind tower and a hydropower plant and a lower reservoir. A unique PE penstock connects the upper and lower reservoirs. The water battery serves as a short-term storage and makes a contribution to the electric grid. The load peaks can be lowered by peak shaving which saves power-related expenses. The hydropower plant can change between storing and producing energy within 30 seconds when required. Scanclimber MCWPs were used in the construction of the 40-meter-tall inner tanks.

Challenges

The main challenge of this project was the installation of concrete elements for the 40-meter-tall storage tank inside the wind mill tower. Traditional scaffolding methods were insufficient for the construction of a storage tank of this magnitude and shape. A solution using four mast climbers in a single mast arrangement was ruled out for safety concerns.

Solution

After a careful analysis and consideration of the project requirements, Scanclimber's team came up with a design for two SC8000 MCWPs in an L-shape configuration on twin masts. For the first time ever, the platform sections were connected in a 90-degree L-shape using special adapters and twin hinges. A platform length of 30 meters was achieved with a payload capacity of 5600 kg. The concrete element installation work regularly requires two persons working on one platform. By using two twin platforms configurations instead of four single platforms, the personnel requirement could be halved; from eight to four.

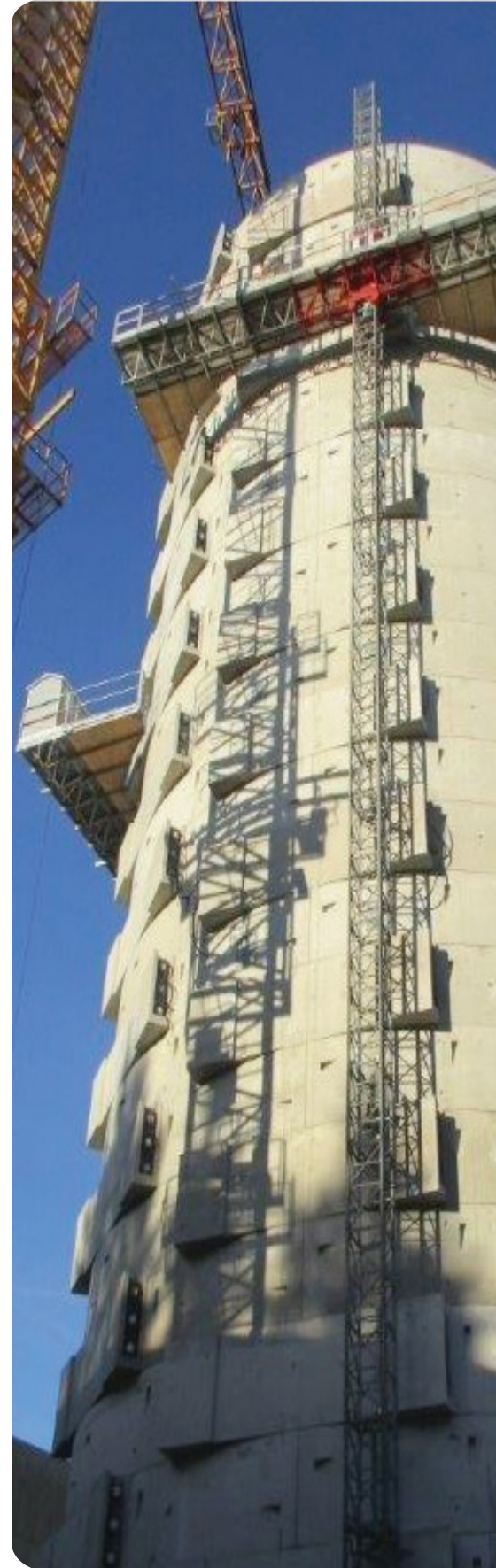


Project Facts

Location	Gaildorf, Germany
Project Timeline	
Main contractor	Max Bögl
Machines Used	2 x SC8000
Max. Working Height	40 m



Scan to read more



A Mast Climber first - speeding up construction work in Monaco

Villa Engelin Monaco was a challenge for the constructor. It meant building a mixed-use complex in challenging circumstances within a very tight schedule on the Boulevard Exotique, Monaco.



Background

The building consists of 135 dwellings, office infrastructure and 9 parking levels. It is located in a seismic zone in a dense urban environment with many constraints, such as the presence of a tunnel, existing networks, etc., on a very narrow plot. The tower will extend 27 m beneath street level, and will have a height of 76 m above the ground. The main construction challenge was the aim of delivering the apartments in September, 2018. To do this, the tower was constructed according to the up-down construction method, in which the substructure and superstructure are built simultaneously.

Challenges

Once the building wall was laid and the structure was built, there was a need for a way to do the facade work. Scaffolding has been the norm in Monaco, but based on the recommendation of the work site manager, Mr Fabien Pellegrino, mast climbers were chosen instead of scaffolding to speed up the process.

Solution

A Scanclimber MCWP was deemed the most feasible solution available. Twin and single Scanclimber SC4000s were chosen for the job. The key advantages offered by Scanclimber MCWP were:

1. Work ergonomics

A Scanclimber MCWP focuses on maximum productivity with minimal worker fatigue. Materials were loaded on to the platform, which moved along the facade. Primer, paints and plaster were within easy reach of the workers. This reduced material handling and transport times greatly improved productivity.

2. Unobstructed access to the facade surface

With the use of a Scanclimber work platform, a whole side of the building facade was easily accessed at one time as the mast climbing work platform could be extended by adding more, easily mountable, platform sections.

3. High lifting capacity

One of the key features of Scanclimber work platforms is their high lifting capacity of 4000 kg. Such high capacity allowed several workers to be on the platform with all the necessary materials and tools.

The contractor's personnel were happy with the mast climbers since they provided 'an open face concept' i.e. unobstructed access to the wall, whereas conventional scaffolding would have had blocked parts of the wall.

Customer feedback

Although the customer knew the value and efficiency that mast climbers can bring to such projects, the contractor's team, including the site manager, praised Scanclimber machines highly:

"I have used these types of machines earlier in France. Since we had tremendous time pressure with this project I suggested Scanclimber Mast Climbers for the façade work, which is almost always done with scaffolding in Monaco. There was a lot of resistance from management at first, but now since we are far ahead of the schedule, they are more than happy!" commented the Villa Engelin work site manager, Mr Fa-



Project Facts

Location	Monaco, Principality of Monaco
Project Timeline	August 2016 – August 2018
Main Contractor	Services des travaux publics de Monaco
Machines Used	4 x SC4000
Max Working Height	172 meters



Scan to watch the video



Muuraus Nahkala laying bricks at two floor care home with mast climbers in Hyvinkää

Care home developer Tyvene built a sheltered housing complex in Hyvinkää. Although it is only a two-story building with a maximum height of 12 meters, mast climbers were used for bricklaying in this project



Background

The demand for state-of-the-art sheltered housing for senior citizens in Finland has seen a significant increase in the last decade. The average age of the Finnish population is rising, which has led to a situation where an increasing amount of elderly people are in need of rental apartments with 24-hour medical and nursing assistance. Other trends in long-term residential services have also changed in Finland. During the 2000's the number of elderly people receiving long-term care in residential homes and health centers has decreased steadily, while the number of people residing in sheltered housing with 24-hour assistance has increased. Residential social services is one of the fastest growing fields of business in terms of sales and workforce in Finland. Attendo is one of the main operators in the field of residential social services in Finland. The construction of this project is handled by the main contractor, Rakennusliike U.Lipsanen. Despite the relatively small size of the building, mast climbers are used for the bricklaying operations. The complex was opened in 2017. It consists of 60 apartments ranging between 20-34m²

Challenges

In 2015, the City of Hyvinkää organized a competition for the purpose of designing a senior citizen sheltered housing complex in the area of Metsäkalteva. Care home developer Tyvene won that contest and later on Attendo was confirmed as the operator for the newly proposed sheltered housing complex.

Arkkittehtipalvelu Oy was in charge of the architectural design. Rakennusliike U.Lipsanen was selected as the main contractor. The building has only 3500 m², on two or three floors for a total number of 60 apartments. The plot adjacent to Kultakehkö also has a six-floor care home operated by Attendo. The construction of Kultakehkö began in October of 2016 and was expected to be completed by the end of 2017. All the buildings have a red brick façade.

Solution

Janne Nahkala is the general manager and owner of Muuraus Nahkala Oy, the company awarded the bricklaying contract. It is a mid-sized company employing some 40 bricklayers. Muuraus Nahkala Oy has been in the bricklaying business since 2010. Early on, they adopted the use of mast climbers in their bricklaying work. Janne sees that the advantages in bricklaying work with mast climbers are remarkable.

"We always try to agree with the main contractor that we could use mast climbers for our work. Bricklaying is many times easier with mast climbers than with scaffolding!" Janne Nahkala stated.

Since the project in Hyvinkää is of a small size, only two free-standing SC5000 were used for bricklaying. The use of freestanding mast climbers allowed the work platforms great mobility

Customer feedback

Though Muuraus Nahkala doesn't own any mast climbers, Mr. Nahkala knows the value that mast climbers can bring to bricklaying:

"We always try to agree with the main contractor that we could use mast climbers for our work. Bricklaying is many times easier with mast climbers than with scaffolding! And our senior bricklayers want to save their knees and joints and not to be stretching up and down!"



Project Facts

Location	Hyvinkää, Finland
Project Timeline	October 2016 – December 2017
Main Contractor	Rakennusliike U.Lipsanen
Machines Used	2x SC5000
Number of floors	2



Scan to watch the video



Mast climbers helped to build Hyvinkää's new hospital in Finland

HUS - The Hospital District of Helsinki and Uusimaa invested 63 million euros in a major Hyvinkää hospital expansion project. 15 mast climbers were used to complete the building's plastering work.



Background

The Hyvinkää Hospital is an on-call maternity hospital, offering many specialized medical services. The hospital has a combined emergency department that provides round-the-clock health center emergency services for the city of Hyvinkää, and night emergency services for other nearby municipalities. The hospital is located close Hyvinkää's city center and is part of the Helsinki and Uusimaa Hospital District (HUS). Hyvinkää Hospital has 238 care places, employs 1165 people and serves a total of five municipalities.

The project : Current expansions

The hospital was originally built in 1975 and has since undergone several extensions. During the initial expansion phase, the number of intensive care units was increased from eight to fourteen. Next, the hospital received a new medicine and surgery department, followed by a pediatric department. As a result of this, the intensive care units for infants and children were moved to the pediatric section of the hospital.

The Municipality of Hyvinkää, Hospital District of Helsinki and Uusimaa (HUS) built a new hospital and parking house at the Hyvinkää Hospital site.

The expansion of Hyvinkää Hospital was contracted to PEAB Oy. The construction, valued at 31 million euros, was expected to be completed in August 2018. The building rising next to the hospital will be used by for HUS's specialist healthcare and the city's primary health care center. The total size of the project is 27156.5m² and the estimated total costs were projected at €. 63.9 million.

The building and plastering project

The sub-contractor responsible for the plastering work of the Hyvinkää Hospital expansion building was Vakka-Suomen Rappauspalvelu (=VSRP).

The plastering contract included a lot of façade work in several phases.

First, the thick insulation elements were fastened to the walls with the help of mast climbers. Then several layers of net, plastering and colour to finish off the facades. A total of 15 mast climbers were used for the whole project.

The plastering work stages were:

- The fastening of insulation elements
- 1st Basecoat/plaster layer
- Base screed fastening
- 2nd Basecoat/plaster layer
- Primer/bonding agent
- Colored finishing coatingS
- Additional border painting

Customer feedback

The plastering contractor, VSRP, wanted to use mast climbers for the hospital plastering project as they have been proven to be much easier to work on than scaffolding. After several years of experience in plastering work, VSRP's worksite manager, Jyri Julin, had some thoughts about MCWPs:

"Mast climbers provide an easier way of performing plastering work. Compared to scaffolding, which is our secondary method, I prefer mast climbers, since they provide a better plastering finish, less borders, full access to work surfaces and stepless moving up and down while working on the facade. And of course, the work ergonomics is better."



Project Facts





Location	Hyvinkää, Finland
Project Timeline	May 2015 – Fall 2018
Main Contractor	PEAB Oy
Machines Used	15 x SC5000
	2 x SC1837-65

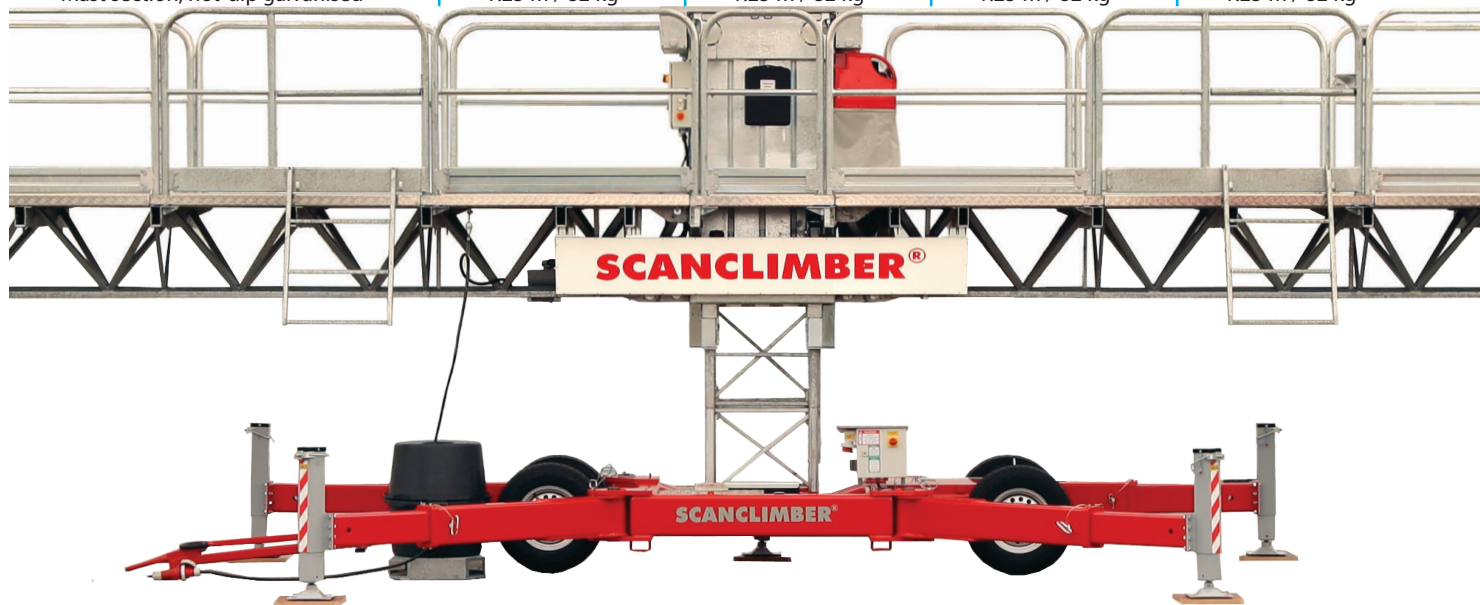


Scan to watch the video



MCWP Product Range We Offer Today

	SC5000	SC6000	SC8000	SC10000
Technical Data				
	Single mast	Single mast	Single mast	Single mast
	Maximum platform length / loading capacity	Maximum platform length / loading capacity	Maximum platform length / loading capacity	Maximum platform length / loading capacity
	4.1 m / 2700 kg	4.1 m / 3300 kg	4.1 m / 4500 kg	4.1 m / 6000 kg
	7.3 m / 2300 kg	7.3 m / 2900 kg	7.3 m / 4100 kg	7.3 m / 5600 kg
	10.5 m / 1900 kg	10.5 m / 2700 kg	10.5 m / 3700 kg	10.5 m / 5300 kg
	13.7 m / 1500 kg	13.7 m / 2100 kg	13.7 m / 3250 kg	13.7 m / 4000 kg
	16.9 m / 1000 kg	16.9 m / 1400 kg	16.9 m / 2800 kg	16.9 m / 3100 kg
				20.1 m / 1800 kg
	Twin mast	Twin mast	Twin mast	Twin mast
	Maximum platform length / loading capacity	Maximum platform length / loading capacity	Maximum platform length / loading capacity	Maximum platform length / loading capacity
	12.6 m / 5000 kg	13.4 m / 5600 kg	14.2 m / 8000 kg	15.8 m / 10200 kg
	20.6 m / 4000 kg	23.8 m / 4600 kg	23.8 m / 7500 kg	19 m / 10400 kg
	28.6 m / 3000 kg	27 m / 4100 kg	27.0 m / 6500 kg	24.6 m / 8800 kg
	35.0 m / 2200 kg	36.6 m / 2200 kg	36.6 m / 4100 kg	30.2 m / 6600 kg
	40.6 m / 1500 kg	44.6 m / 1200 kg	46.2 m / 1000 kg	35 m / 5600 kg
				40.6 m / 4300 kg
				48.6 m / 1500 kg
Distance between anchors	18 m	18 m	18 m	18 m
Lifting speed	7 m / min	11.3 m / min	7.2 m / min	8 m / min
Mast section, hot-dip galvanised	1.25 m / 82 kg	1.25 m / 82 kg	1.25 m / 82 kg	1.25 m / 82 kg



Scanclimber is the world's technology leader in mast climbing equipment for installations. The company has its corporate head office in Pirkkala, Finland, and manufacturing in Gniezno, Poland. The company employs more than 200 people worldwide. Scanclimber creates value for its customers with high quality, reliable and flexible vertical access solutions.

SCANCLIMBER®
by Tractel®

Scanclimber Oy, Turkkirata 26, FI-33960 Pirkkala | www.scanclimber.com

Tel. +358 10 680 7000, Fax +358 10 680 7033

Authorised partner