

Mobile Access Platforms at Malls: Revolutionising Maintenance and Marketing



Mtandt is a manufacturing and rental company for mobile access platform, aerial work platform, and material handling equipment. The group prominently focuses on providing safe and economic solutions to the industrial and infrastructure segments.

Mobile Access Platform System (MAPS) technology

The MAPS technology is a light weight and easy to use work at height solution that is already employed heavily in many industries and applications to reduce maintenance costs and minimise downtime. MAPS technology is dramatically changing the way mall managers handle marketing display campaigns and maintenance cycles at malls. It empowers mall management teams to carry out large scale maintenance work, reach more marketing display spaces and update them more frequently, all this, at a reduced cost and time to both the mall's management and its stores, claims the company. MAPS technology is revolutionary; it not only allows mall management to better maintain their facilities and serve their clients in-house without having to deal with third

party logistics vendors but also creates a new revenue stream.

Advantages

- MAPS technology is modular in nature.
- Can be used by anybody with little training.
- It is completely fool proof in terms of safety.
- No more do you need skilled climbers to reach those tough spots.

Low cost knock-off products appeal to price conscience customers but end up in disastrous failures leading to loss of property and life. This being an un-standardised space as of yet in India, at least in the consumer facing space, mall management teams are unaware of industry standards that are typically used in manufacturing and production based applications. Due to the lack of Indian norms European and American design norms (look for both CE certification and EN1004 conformance) are typically followed by manufacturing and production industry insiders who understand due to the nature of their work how important it is to have a safe, durable product which saves them

maintenance and repair operations costs and minimises downtime.

Product quality can be gauged by international certifications and quality Aardalloy material.

Another aspect of the issue that tends to slow down the adoption of such technology in the mall space in India is the fact that this is a paradigm shift in work at height solutions.

Product quality

Working at heights has some risk involved in them. With the use of MAPS technology, the dangers at heights will be eliminated. Thus it will make sure that the market is efficient by allowing people to add more value but whenever such a huge change comes in people have trouble adjusting.

The MAPS technology industry is making things more transparent and clear by certifying mall personnel on the use and maintenance of these products regularly, conducting surprise safety audits and ensuring a good level of after sales contact and feedback.

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Allround scaffolding was easily adapted to follow the contour shape of the structure without difficult to access. The erectors didn't need to create complex tube structures, saw off tubes all the time, repeat measuring of connections or constantly align the upright elements. The wedge head provides an all in one simple yet stable connection, coupled with a logical assembly sequence and integral safety. Hot-dip galvanisation and certified quality assure Allround scaffolding top-quality products are extremely long-lived.

Layher Allround scaffold used for maintenance of two large distillation columns standing 55-metre and 37-metre height at Fitzroy Industrial Chimney, Taranaki, New Zealand.

Approximately 80 tonnes of scaffolding materials was used for this project. Layher Allround lightweight modular scaffold technology was the system chosen due to its fitting accuracy and speed of erection to gain access.

The major challenges for this project to erect scaffolding during operation mode of column the plant was live (working). The design needed to be free

standing and to withstand significant wind loads.

Several work levels were required plus a lift going up 40 metres were required to be integrated into the scaffolding. The challenge set by this particular job was to follow as precisely as possible the double-curved surface of the tank. This was possible due to the extensive capability of parts Layher are able to offer.

The Layher aluminium platform stairs were also an excellent addition for allowing the maintenance team to safely move up and down the columns.

Conventional anchoring to the column was not possible. The scaffold erectors were only able to make connections to the all-round steel profile – the runner rail for the inspection ladders – at the tank's 'equator' using scaffold couplers. Above and below this anchoring level, the scaffolding was secured by all-round steel cables. A Layher landing-type stairway tower allowed convenient access to the scaffold at various levels.

The top lift of the scaffold at the top of the structure called for Layher's

expertise. Following the increasingly safe scaffolding with proper Access at all locations, Layher's Technical Bureau designed a series of connected lattice girders to the topmost Allround standards which made them converge in tension-resistant form. The scaffolders then placed the structure on the highest point of the building using Allround standards.

Application of lattice girder considered in design to construct cantilever projection on top to fulfil proper access. Construction of scaffolding to make approach for all required location was major challenge during the shutdown, but it is easy when will consider Allround scaffolding systems.

Layher new lightweight scaffolding is result of a major, multi-year R&D project with as clearly defined objective: to make scaffolding easier, safe and above all more cost effective for customer. ■

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Mtandt Group placed order of 158 new equipment for rental fleet



Mtandt Group, which owns AWP rental company Mtandt Rentals Limited and AWP distribution company Mtandt Limited, has placed an order for 158 units of new Machines for its rental fleet.

Mtandt Limited represents major AWP brands like ATN, BRAVI, Dingli, HAB, Magni, Omme, PM, Ruthmann Skyjack, Teupen, Time, Unic in India.

The brands ordered include ATN, Dingli, JLG, Magni, Skyjack and Unic a strategic mix of scissors booms, telehandlers and truck loader cranes. The group is also planning to order 80 units of new Italian design booms from

Dingli and a 72-metre truck mounted AWP from Ruthmann.

"Today Mtandt is the most preferred rental partner for major customers in India as per the independent survey and to continue with the legacy we need to keep adding new machines to our fleet," said Sanjay Khanna, President, Mtandt Rentals Limited.

"In our endeavour to continuously grow and cater to the demand of new equipment from our customers, we are investing in enhancing our existing fleet and topping it up with a whole new lot of equipment," added Rakesh Modi, Managing Director, Mtandt Group. ■