

Newsletter

issue 4

KTS continues success in North America



Massey Tower update

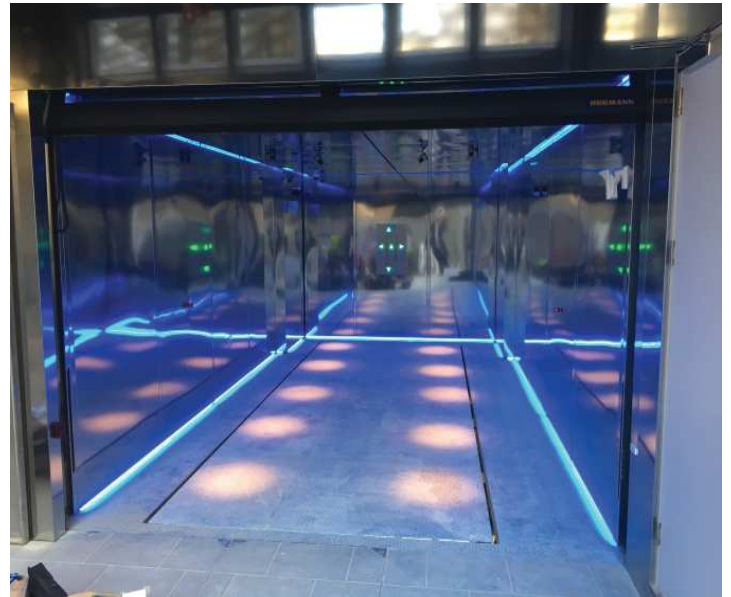
Toronto developer extends KTS scope

Another architectural vision becomes reality on the downtown Toronto skyline as Massey Tower rises out of the ground at an incredible pace.

The concrete and the curtain walling is going up quickly and, inside, the installation of Ontario's biggest automated parking (APS) is progressing.

KTS have been involved with the project since its inception and are proud to have had its scope of works expanded to cover the commissioning, inspection and test plan (CITP) for the final phase as well as the project management to get to the CITP.

Canadian Technical Standards Safety Authority (TSSA) manage important checks for certain areas of automated parking systems, however, their remit does not extend to the long-term reliability of the parking system. KTS are advising the developer on how to structure the maintenance contract to ensure that the APS supplier has a long-term incentive to deliver trouble free operation of the system.



Transfer cabin

KTS signs off on top London address

One of London's most prestigious residential developments was recently finished, complete with a hi-spec fully automated parking system.

The transfer cabin (where the cars are parked and leave from) is one of the best that we have seen in more than 18 years in the industry and feels spacious and intuitive.

The completely flat pallets (on which the car is parked) provide easy vehicle positioning without any trip hazards.

KTS provided specialist consulting services to the general contractor from the start of the project right through to completion, including visiting the supplier's factory for payment verification, witnessing the site acceptance tests, and reviewing the supplier's operation and maintenance manuals.

Automated Parking Systems - are they really sustainable?

An independent sustainability review of fully automatic car parking systems highlights real benefits.

A report has been compiled utilising data from previous technical reports and independent research.

It demonstrates that Automated Parking Systems bring significant sustainability benefits to any project when compared to a conventional car park.

Some of the key findings are outlined below:

- Significant energy efficiency improvements
- Improved BREEAM, LEED and Green Star credit scoring
- Reduction in the amount of space required for a specific number of vehicles
- Reduced running costs
- Significant reductions in CO², NO^x and PM¹⁰ emissions.



For a copy of the full report, contact our office (details below)

Building Assessment Methodologies are used throughout the world as frameworks through which the environmental performance of a building can be measured.

They are used to promote sustainable construction and to drive best practice in the sector. The following are some of the credits that an APS can attract:

BREEAM Credits

Man 2 – Responsible Construction Practices
Hea 2 – Indoor Air Quality
Ene 1 – Reduction of CO² Emissions
Ene 4 – Low & Zero Carbon Technologies
Tra 3 – Cyclist Facilities
Mat 1 – Life Cycle Impacts
Mat 5 – Designing for Robustness
Wst 1 – Construction Waste Management
LE 1 – Site Selection
Pol 3 – Surface Water Run-off
Pol 4 – Reduction of Night Time Light Pollution
Inn 1 – Innovation

LEED Credits

Sustainable sites

Prerequisite 1 – Construction Activity Pollution Prevention
SS Credit 1 – Site Selection
SS Credit 4.3 – Low-emitting and Fuel-efficient Vehicles
SS Credit 4.4 – Parking Capacity
SS Credit 5.2 – Maximise Open Space
SS Credit 6.1 – Stormwater Design, Quantity Control
SS Credit 6.2 – Stormwater Design, Quantity Control
SS Credit 8 – Light Pollution Reduction

Energy and atmosphere

Prerequisite 2 – Minimum Energy Performance
EA Credit 1 – Optimise Energy Performance
EA Credit 2 – On-site Renewable Energy

Materials and resources

Prerequisite 1 – Storage & Collection of Recyclables
MR Credits 1.1 & 1.2 – Building Re-use
MR Credit 2 – Construction Waste management
MR Credit 3 – Materials Re-use