

# Customer Communication

More parking in less space...anywhere.

## The Construction of an Automated Parking System compared to a Conventional Parking System

Compared to the conventional car park (CPS) or parking garage, automated parking systems (APS) significantly minimize the space and volume of building needed to park the same number of cars. The use of automation to remove drivers and passengers from the parking process by creating a high-rack storage solution for vehicles is the key to saving space and volume.

In addition to saving space, APS have many construction advantages, including the speed, ease and cost of construction. The substantially reduced area and volume of an APS means proportionally less excavation work for belowground application, lower construction time, less disruption to the surrounding area, and fewer excavated materials to transport.

By eliminating the driving and walking surfaces required by conventional car parks, this facilitates the use of a simple skeletal structure made out of steel. Recyclable steel is fabricated by the supplier off-site while the foundations are being laid. Then the pre-fabricated steelwork can be delivered and erected in record time. The use of pre-fabricated building materials means fewer materials are required, costs are saved and construction time is reduced.

While the foundations and steel structure are being completed, the conveyors and other mechanical systems are constructed, so that the parking technology can be immediately installed as soon as the steel structure is ready. The APS simplifies construction by eliminating the need to install driving lanes, disabled parking spaces, walkways, stairways, lifts, etc.







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As soon as the on-site construction is ready, the Storage and Retrieval Machine (SRM) is transported to the site and installed through the roof and/or upper floor.

Just over six months from the date construction started, the final additions are completed, such as the assembly of entry and exit lobbies, doors, vehicle guidance, etc. This comprehensive installation is greatly simplified since the APS has no (or minimal) need for lighting, ventilation, signage, safety railings/fencing, public communications and surveillance equipment.

All systems undergo rigorous testing after installation and are finally merged with the customer's systems.

It takes less than one year for a customer to turn a green-field site into a fully-constructed building with integrated automated parking system.



- ▶ Skyline T-Park Construction Movie
- ▶ Skyline L-Park Construction Movie