

EPA 2019 - REDI

REDI | EPA Awards

Category 1: New parking structures





Surrounding townscape



Old Harbour area will be transformed into a modern residential area

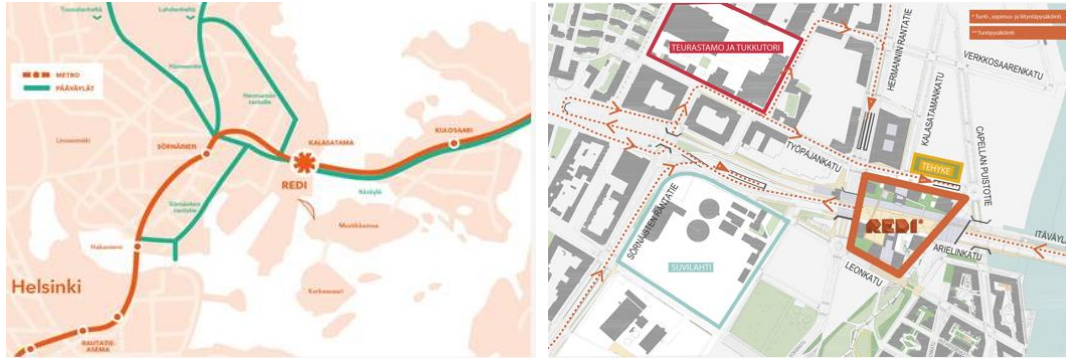
- Kalasatama is a new area in Helsinki's inner city, under construction at the site of a former commercial harbor. The City of Helsinki has designated the area as a platform for smart city development. The Smart Kalasatama project produces and tests new solutions for smart urban living, and a key method is by agile pilots of short duration carried out in real-life situations.
- Kalasatama is becoming the eastern heart of Helsinki's city center bringing with it a whole new look. Earlier, this area housed a cargo port and small-scale industry, but today it offers homes and jobs to thousands of people. REDI Shopping Centre offers good commercial services. The excellent location, lively urban culture and a seaside promenade are attracting new residents. This former industrial area is undergoing a major transformation, emerging as one of the most modern city districts in Finland.
- Kalasatama will connect to the eastern city core. The former harbour and industrial area has been transformed into a dynamic district of 3,000 residents, with more to come. The entire district will be completed by 2040. At that time, there will be 25,000 residents and 10,000 jobs.

REDI



- REDI will become the centre of Kalasatama as it gradually takes shape around the metro station by the mid-2020s. REDI is a complex consisting of eight 20–37-storey high rises and the largest shopping centre in Helsinki's eastern downtown area. The 2,000 residents will have easy access to the metro, and the shopping centre and its range of services. The shopping centre was opened in autumn 2018, and the first residential tower, Majakka (Lighthouse), will be completed in 2019. When finished, it will be the tallest residential building in Finland.
- REDI shopping centre, which opened next to Finland's mostly densely populated area, has around 60,000 people living in its direct proximity, and there are over 500,000 people, a third of the residents of Greater Helsinki, in its entire area of influence. REDI is located at the intersection of three large highways, and the metro stops 500 times a day on the third floor of the shopping centre. A number of bus lines stop both on the third floor of the shopping centre and at street level. There are 45,000 jobs within a ten-minute walk of the centre.

REDI is developing the city of Helsinki



Redi is located at the intersection of three large highways



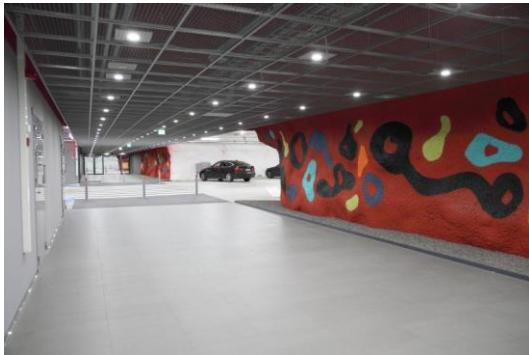
Kalasatama area in 2015



Kalasatama area by 2023

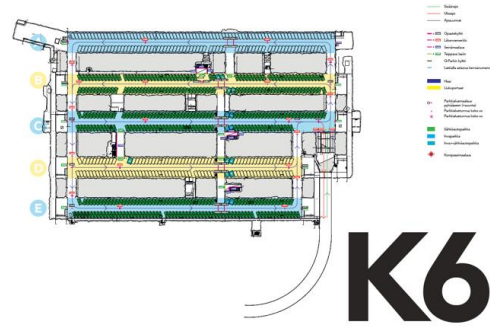
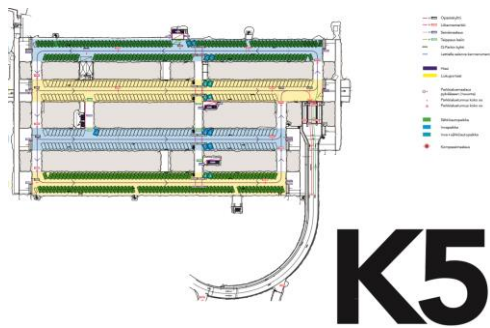
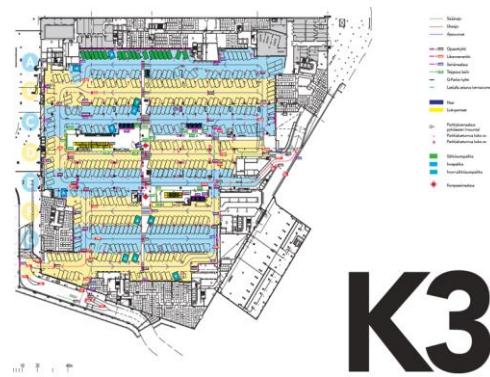
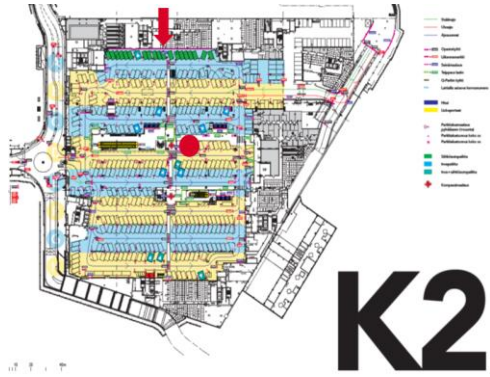
- REDI parking:
 - Parking spaces on four levels totaling 1 950 spaces
 - 227 EV charging stations (K2;15 & K5-K6; 212)
 - 300 parking spaces for commuter parking (K6)
- REDI Park parking facility will serve Shopping Centre REDI in 5 + 1 floors (total area of 64 000 sqm), 175 shops, 43 restaurants, Kalasatama metro station with 15 000 daily commuters, a bus terminal, hotel customers and office parking and inhabitants of the area.

Structure 1



- The foundation work for REDI required quarrying 900 000 solid cubic metres of bedrock within 3 hectares area
- The total amount of steel used up to 14.5 million kilograms
- REDI comprises a total of 7 residential houses and an impressive shopping centre building; The tallest 35-story Lighthouse building will rise to 132 meters when completed
- REDI offers a total of 60,000 m² of retail space for both small and large chains in 5 different floors

Structure 2



- K2–level, 392 parking places
- K3–level, 385 parking places
- K5–level, 512 parking places
- K6–level, 661 parking places

Special features



- 4 elevators with direct access to the shopping center
- Elevators serving the various functions of the entire city center
- Two info desks operated by parking operator
- Pick-up point under discussions for shopping center customers operated by parking operator
- Car wash service already available and car repair shop will start shortly
- Chargeable (also via application) 227 EV charging stations
- One large multifunctional recycling point
- Color coded areas in the parking facility

Equipment



- Park Assist has been awarded the Parking Guidance System for REDI Shopping Centre
- The car park will have 4 parking levels underground in long cave tunnels. Partnering with SWARCO, Park Assist was chosen for its innovative proven camera-based technology which is designed to deliver stress less parking for visitors.
- Utilizing a patented camera-based smart sensor system, way finding signage and red and green lights to identify open and occupied spaces, parkers are easily directed to available parking by Park Assist's PGS.
- Park Assist's M4 smart-sensor system will provide REDI visitors with effortless guidance throughout the car park with color-coded sensors. Park Assist's Find Your Car™ functionality using a camera-based system, provides for accurate License Plate Recognition (LPR) detection, allowing visitors to receive their vehicle's exact location printed on their ticket after paying at the Skidata pay stations.

Safety and security



- Virve public safety network
- General audio system
- Fire alarm system
- Smoke exhaust system
- Emergency lighting system
- Fire doors and smoke barrier doors
- Smoke barrier curtains
- Closed circuit television
- To prevent un-known accidents, each space is recorded and the data is kept for two weeks
- In case of crisis used for air-raid shelter for 5 100 persons



Thank you