

# Another Sky Climber Reference!

## SCK.CEN - Nuclear Research Centre, Belgium



- DIVISION:** Sky Climber Europe
- PROJECT NAME:** BR3 - SCK.CEN, Belgian Nuclear Research Centre (Mol, Belgium)
- APPLICATION:** Platform for decontamination of nuclear reactor pool

The BR3 (for Belgian Reactor n° 3) was the first Pressurized Water Reactor installed in Europe. In service since 1962, it was shut down in 1987 after 25 years in operation. At the end of its operating life, the European Commission selected the BR3 to be one of the four pilot projects for decommissioning of nuclear installations.

In order to complete the dismantling and decontamination of the reactor pool in the reactor building, the nuclear research centre SCK.CEN required a specially designed access platform that allows access to all walls of the reactor pool.

Sky Climber designed a horseshoe-shaped telescopic platform and suspension system. The shape of the platform could be modified in flight to allow the platform to avoid obstacles in the reactor pool. At the same time, users could walk freely all around the platform.

A major challenge was to design a platform that is located in a radioactive 'hot' zone and will need to be completely dismantled into component parts and checked for radioactive contamination at the end of the platform's service life. For example, only open ended profiles could be used so that one could check the level of radioactive contamination inside the profile itself.

<b>Type of Platform</b>	Special designed telescopic platform / all open profiles / bolted together / high profile crawl-through stirrups
<b>Type of Hoist</b>	Alpha 800 with integrated Sky OL overload device
<b>Safety devices</b>	Top and ultimate top limit switches, Sky Lock overspeed safety device, anti-tilting devices, overload detection
<b>Cradle rated load</b>	240kg
<b>Norms</b>	European Norm EN1808