



Another Sky Climber Reference!

Diamond Bank, Lagos, NIGERIA



DIVISION: Sky Climber Europe
PROJECT NAME: Diamond Bank
APPLICATION: Monorail and Sky PI cradle

This tower project is for the new Headquarters of the Diamond Bank, a major bank in Nigeria.

Sky Climber was selected to provide the window cleaning system for this 80m high tower with a BMU roof car and monorails. This newsletter concerns the monorail as the BMU was described in a previous newsletter.

The most effective solution for the front and rear facades was determined to be a monorail system with a 2m Sky PI self-powered cradle.

The Sky Climber monorails are made out of silver colour (natural) anodized aluminium and are fixed to the building by brackets with a span of 2.4m. The track line was designed to be part of the architectural features of the building and aesthetically integrated into the structure. The Sky PI Cradle easily traverses on the monorail by means of a motorized trolley.

As the building is nearly 80m high, the cradle is fitted with plug-in restraints in order to fully comply with European Norm EN1808. The controls have an integrated PLC based system that would stop the cradle at pre-set intervals to alert the operator to insert the restraint plug.

Vertical run	80m
Suspension System	SC134 Monorail with Motorized Trolleys
Type of cradle	Sky PI cradle
Length cradle	2m
Self-Weight of cradle	290kg
Rated Load of cradle	240kg, 2 persons
Hoisting	Compact hoist, 400V/three phase
Norms	European Norm EN1808