Greenwich Peninsula: an almost-island of opportunity wrapped by the serene river Thames. The Peninsula is undergoing the largest single regeneration seen for a generation.”

Greenwich Peninsular
Greenwich Peninsular is a vast and unique development by Knight Dragon to regenerate 150 acres of historically industrial land. The entire development provides 15,000 homes, 13,000 jobs and 48 acres of public green space.

Flanked on two sides by the Thames the central location provides residents with easy access to all the capital has to offer and the serenity of a river-side home.

Sapphire also provided Glide-On™ balconies for blocks, M103, M114/115 and M117.

**Challenge**

The design of the building featured a column requiring the balconies to be designed and installed around it.

The project also used system scaffolding which, while quick to set up, are limited by set heights. This was a challenge because the height of the scaffold conflicted with the placement of the stubs making the installation of the arms difficult.

The central London location made navigating the capital with lorry loads of balconies challenging and space for storage limited.
Solution

The facia design and the inclusion of the columns meant the design team needed to find a suitable solution to maintain ease of install on site. The team designed the balconies to slide on to the support arms seamlessly incorporating the column in the design. Glide-On™ balconies bring the benefit of greater tolerances making the challenging install smooth and efficient.

The system scaffolding may have been a significant challenge for traditional balcony methods and may have added time to the project programme. To overcome the placement of the scaffold conflicting with the stubs we installed the arms quickly as the scaffold was struck down the building. The installation of the arms was carefully coordinated with other trades to avoid conflicting with other works. Once the arms were installed the balconies simply Glide-On™ for a quick and easy installation.

The limited space both logistically and on site was overcome by carefully coordinated deliveries in keeping with the needs on site. Our logistics team worked with the site team to ensure the balconies arrived as needed and could be quickly unloaded and installed with minimal disruption on site and to the local area.
**Step 1**
Schoeck cast in anchors were cast into the slab & incorporated thermal break connections offering superior rigidity to the balconies.

**Step 2**
Cassette® balconies were preassembled offsite, including the balustrades, decking & soffits.

**Step 3**
Cassette® balconies were transported with balconies ‘nested’ onto each pallet making transport both cost effective & safe. Balconies were pre-slung offsite ready for installation upon arrival.

**Step 4**
Once lifted into position, the Cassettes® simply Glide-On™ to the pre-erected support arms, before completing the simple mechanical fixings.
Manufacturer: Sapphire Balconies Ltd 11 Arkwright, Road Reading, RG2 0LU
0844 88 00 553
sales@sapphire.eu.com
www.sapphire.eu.com

Reference: Glide-On™ aluminium Cassette® balconies with vertical bar balustrades.

Balcony anchor: Shoeck cast-in anchors incorporating thermal breaks.

Arms: 2-piece galvanised steel.

Cassette® structure: Standard 400mm modular Glide-On™ Cassette® balconies.

Soffits: Anolock bronze anodised aluminium

Deck finish: WPC composite decking fixed with hidden clips.

Toprail: Profile aluminium with Anolock bronze anodised finish

Guarding: Nominal 40 x 12mm rectangular Anolock bronze anodised aluminium vertical infill bars

Base fixing: Mechanically fixed to Cassette®

Fascias: Polyester powder coated aluminium fascia trim to conceal edge of balcony frame.