

# AATi

## Project Case Study

Jan 2016

### DOHA METRO – Red Line South Mock-up

**Client:** Qatar Rail

**Contractor:** IMAR Trading & Contracting co. W.L.L.

**Product:** Bespoke versions of type SN9/55 & SN30/60 nosings

**Material:** Nickel Bronze & Aluminium

As part of a series of mock-up models, AATi supplied its first set of anti-slip stair nosings for this exciting new rail system in Qatar – Doha Metro. AATi supplied several samples including type ref: SN9/HDQT-1/55 and SN9/HDQT-1/65 both in Cast Aluminium and Cast nickel Bronze.

The first phase of the Doha Metro will see the construction of three out of the four lines (Red, Gold and Green) encompassing 37 new stations, connecting Doha to the rest of the suburbs by 2021. Each metro station will be designed based on Qatari inspirations reflecting the heritage of the country. The largest station, Msheireb, will fall at the heart of the Doha Metro with the Red, Green and Gold lines all interconnecting at this point.

The second phase will be completed by 2030, and will involve the expansion of the phase one lines, and the construction of an additional one – the Blue Line. Another 72 stations will also be built.

With extensive knowledge and a proven track record in supplying high quality, safety assured stair nosings to heavy duty and mass transit terminals, it was obvious why AATi had been approached to assist and offer their expertise when designing the stairways for this project.

All AATi products include a cast profile with encapsulated silicon carbide in the wearing surface. This ensures the pedestrian has the very best antislip foot contact on the stairway, both at initial contact and as full body load is put on to and leaves the step. AATi products are installed throughout the London Underground Network and some of the busiest stations exceed 150,000 passengers per day (54 million per annum)!

Casting the profile means that product design features are not constrained by the extrusion process and therefore standard or bespoke features can be designed into a final product, often with the benefit of 3D CAD visualisation. These two facts above allow a unique product to be developed with an architecturally functional and aesthetically pleasing appearance.

To see the extensive range of products please contact our team today.

