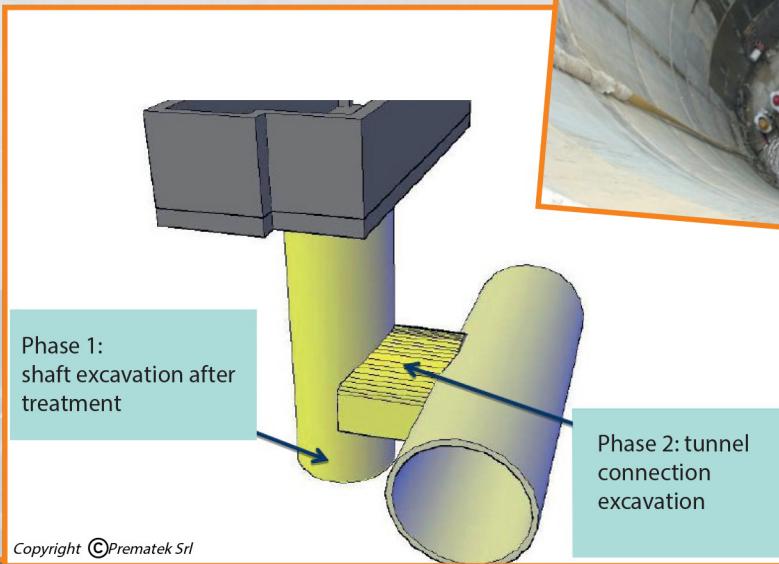


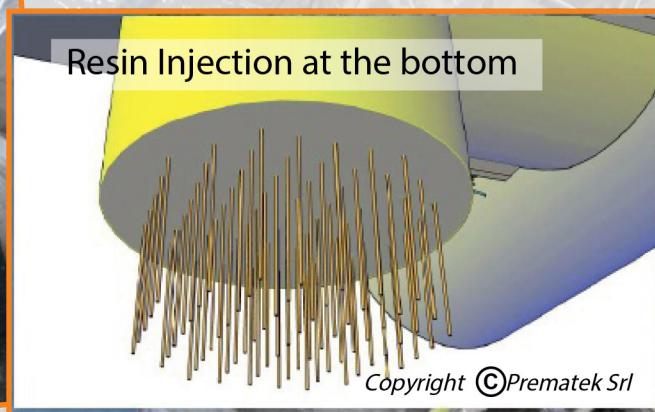
### Target:

Ground protection for the subsequent excavation phases in order to reduce the water ingress into a several shafts of the subway worksite.



### Solution:

Realization of a circular umbrella system using I.STEEL® bars, 5,00 meters depth, injected by bi-component polyurethane resin .



L'acciaio ha sedotto le resine espandenti



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## Result:

Ground is waterproofed and consolidated.



L'acciaio ha sedotto le resine espandenti



L'acciaio ha sedotto le resine espandenti