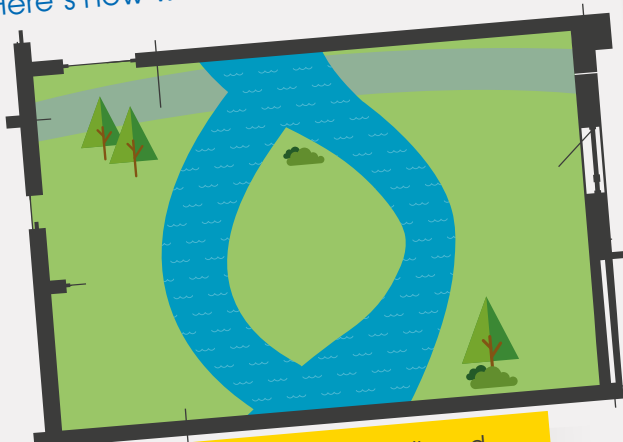


# HOW DO YOU BUILD A TUNNEL UNDER A RIVER?

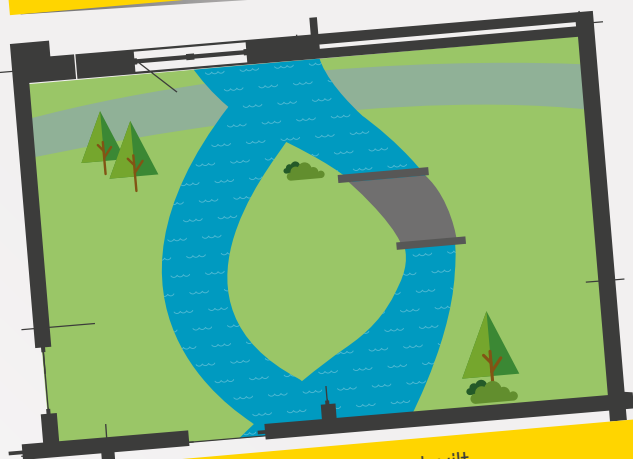
Building the Downtown Line 3 presented plenty of challenges for civil engineers and train manufacturers. One of them was the construction of tunnels under the Singapore River, near Fort Canning station. Here's how we did it:



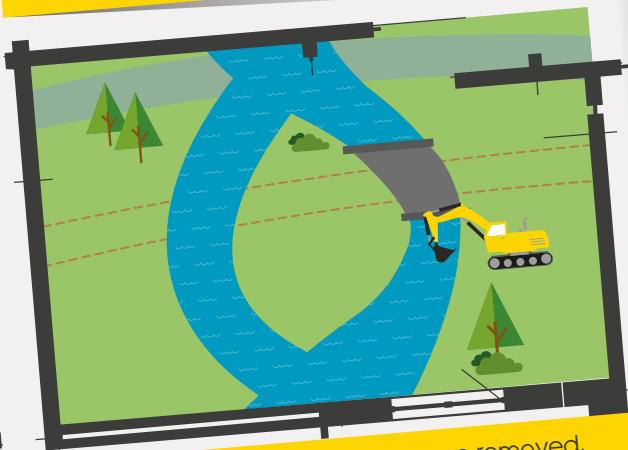
1. We built a canal.



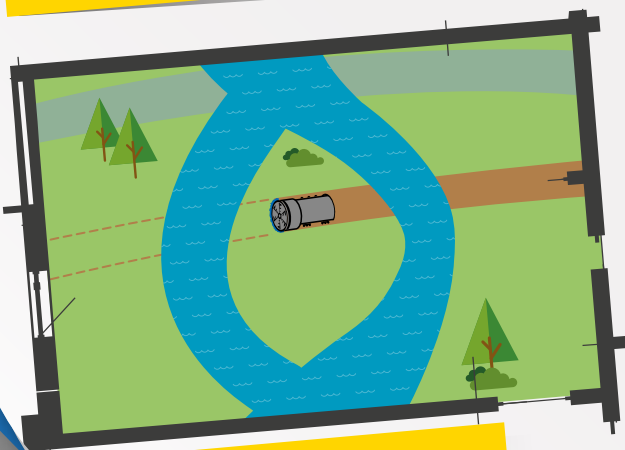
2. We demolished old river walls and diverted the flow.



3. A watertight enclosure was built.



4. All underground obstructions were removed.



5. Tunnelling began.



6. Finally, the canal was removed and the original path of the Singapore River was reinstated.

“The project has been recognised as one of the top 50 engineering achievements with the greatest impact on Singapore since 1965.”