

# Smart solution

By Team Specialis, LTA

The reconstruction of kerbs used to be a labour-intensive process. First, workers had to remove the existing kerbs by digging up their foundation. Then they had to level the base and lay and align the new kerbs. Finally, another group of workers would have to paint them.

Apart from being time-consuming, the process also generated a lot of noise and dust, and obstructed traffic.

To improve productivity, a team from the Land Transport Authority, called Team Specialis, came up with a new way of reconstructing road kerbs. Their idea enabled the Ministry of Transport to clinch the NOVA Outstanding Award this year.

Team Specialis developed a modular design



△ The arrow-shaped blocks, which also serve to guide motorists in the direction of the traffic flow, can be easily replaced.

consisting of small, pre-cast arrow-shaped blocks which can be easily slotted into the grooves of the pre-cast base and interlocked with one another.

Repair work is made easy by simply sliding out the damaged blocks from the grooves in the base and sliding in new ones. And to enhance visibility of the kerbs, a permanent colour mixture that comes with reflective, glass beads is used. This eliminates the need to paint the kerbs regularly. This solution also requires much less manpower and is a lot more cost-effective. ●