

CASE STUDY

Sarthe River bank
Le Mans, France



TOTAL AREA
900 m²

INSTALLATION TIME
3 weeks

TOTAL SAVINGS
73 000 €

Our Terra-Lock solution was chosen for the reinforcement of a riverbank alongside the Sarthe River, flowing through the city of Le Mans, in the West of France. Instead of a soldier pile wall with wood lagging, the installer chose to use our solution thus saving time and money.

Project Details

Site	River bank
Total Area	900 m ²
Services	Soldier pile wall with wood lagging replacement

Featured products

TL-100 with TL-A3	TL-P3	G-MAT C550



Setting up a soldier pile wall using heavy an excavator with a pile driver was not possible because of the lack of space. Terra-Lock was the perfect solution thanks to its lightweight machinery requirements on this narrow path.

COST SAVING SUMMARY

	Gripplle solution	Traditional method
Overview	720 TL-100 with TL-A3, 1120 TL-P3 12 30m ² rolls of G-MAT C550 Drive Tool, GPD and JackJaw	Berliner soldier pile wall Excavator mounted vibrodriver
Installation time	3 weeks	4 weeks
Total cost	47 000 €	120 000 €



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PROJECT DETAILS

We had been contacted by Colas for a project on the banks of the Sarthe River in the West of France near the city of Le Mans. Their problem was the limited access to the slope that would not allow heavy machinery near the river bank.

For this project, Gripple's engineering office offered a full technical study, with specifications and recommendations. The city of Le Mans even asked an external engineering office for a technical opinion which gave the green light. Our solution was then chosen because of the ease of installation and cheaper cost compared to a soldier pile wall. Throughout the project, our sales representative was also present to provide support and training to the installer.

The Terra-Lock system associates a G-MAT geotextile with an anchoring device driven down into the ground with a GPD Post Driver and a drive rod. This allows for

quick installation and does not require the use of heavy machinery, a particularly interesting benefit for this project, since access to the river bank was very narrow.

Furthermore, on a riverbank, the Terra-Lock systems offers a more natural finish than other solutions: the G-MAT is designed to allow vegetation regrowth making the solution invisible after a few months. Installation was carried out in less than a month, saved more than 70 000 € to the installer, and the logistics of the project were easier thanks to one delivery with all materials, and equipment to carry out the installation.



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