



### Challenge

The company sought to develop a new mobile traffic monitoring system capable of recording road traffic information from an elevated position using telescopic masts. The system needed to be towable by a car or van and comply with current road regulations. To achieve this, Mobile VMS envisioned a unique lifting system that would use pulleys and winches instead of hydraulics, delivering significant cost savings to customers. However, the company lacked the 3D Computer Aided Design (CAD) skills essential for the design and development process.



### Introduction

Mobile VMS, based in Newry, specialises in providing variable message signs and intelligent transport system solutions to customers across the Highways Industry.



### Solution

To overcome this challenge, Mobile VMS partnered with Southern Regional College (SRC) through Invest NI's Innovation Voucher scheme. With SRC's support, the company was able to design and develop the new traffic monitoring system. The focus was placed on ensuring the structural and mechanical soundness of the lifting system, enabling it to lift and rotate equipment effectively while maintaining ease of operation.

### Impact

Through this collaboration, Mobile VMS benefitted from SRC's technical expertise, which enabled the successful manufacture of a high-quality, innovative product. The project strengthened the company's ability to deliver cost-efficient and reliable solutions to the Highways Industry, reinforcing its position as a trusted provider of intelligent transport systems.