

case study - grit bin management

Luton Borough Council

How it started

Luton Borough Council has the responsibility of maintaining approximately 485 kilometers of roads, encompassing primary, secondary, and supplementary routes. Their mandate includes ensuring that grit bins, vital for combating icy conditions during winter, are efficiently managed and maintained to safeguard public safety.

The solution

In response to the need for a streamlined grit bin management system, map16 devised a tailored mobile and web-based platform, designed to comprehensively map and monitor the council's extensive grit bin network.

The platform allows ground crews to conduct on-site inspections and seamlessly log relevant information directly from the field. With a simple click of a button, crews can update the system, utilising built-in photo uploading functionality to provide visual documentation. Key metrics such as salt capacity and overall condition can be swiftly updated, alongside identification of any defects such as damage, litter accumulation, or unauthorised bin relocation. All these functionalities are presented in a user-friendly map view dashboard, facilitating intuitive navigation and efficient data management.

The benefits

The implementation of map16's solution has seen significant benefits for Luton Borough Council and the communities it serves.

The system optimises the management of the borough's grit bins, ensuring they consistently operate at peak efficiency. Enhanced management of grit bins directly contributes to public safety during winter months. With properly maintained bins strategically positioned across busy public areas and footpaths, the risk of accidents due to slippery surfaces is reduced. This proactive approach to winter maintenance strengthens the council's commitment to safeguarding the well-being of its public, instilling confidence in the accessibility and safety of pedestrian routes even in adverse weather conditions.

