



Case Study: Safer Shared Spaces with Connex Active

Background

Salisbury Council wanted a clearer understanding of how pedestrians and cyclists use and interact across key shared footpaths throughout the city. Traditional counts can provide a snapshot of activity, but they offer limited insight into how movement changes throughout the day, across seasons, or during city-led events.

The council needed continuous, objective evidence to identify potential conflict points, understand peak-risk periods, and support decisions on where safety interventions and investment would have the greatest impact.

Solution

Connex Active LiDAR units were deployed across key footpaths in Salisbury to capture high-resolution movement data in real time. The system provides continuous insight into pedestrian volumes, bicycle flows, direction of travel, speed profiles, and interaction patterns between different user groups.

By combining real-time monitoring with historical trend data, the council can see how behaviour changes in response to seasonal, environmental, event-driven, and operational factors.

The data supports decisions around:

- footpath design and separation treatments
- signage and speed-management measures
- identifying conflict points and peak-risk periods
- testing assumptions and validating community feedback
- evaluating temporary or trial interventions



Continuous LiDAR monitoring reveals movement patterns that manual counts can easily miss - helping the council understand not just how many people use a space, but how they move and interact within it.

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Conclusion

Since deploying Connex Active, Salisbury Council has gained a far clearer understanding of how pedestrians and cyclists actually use shared spaces. Seasonal patterns, event-driven surges, and previously unseen conflict behaviours can now be identified using objective movement data.

This greater visibility enables the council to identify risk more proactively, build stronger evidence for safety treatments, and communicate the rationale behind decisions more clearly to stakeholders. Automated, continuous data capture has also reduced reliance on manual counts, saving time while improving consistency and accuracy.

With a stronger evidence base, the council can make more informed decisions about its public spaces and ensure future interventions respond to how people actually move through and experience the city.

Key outcomes

- Clearer visibility of pedestrian and cyclist interactions
- Real-time identification of conflict points and peak-risk periods
- Evidence-led prioritisation of safety interventions
- Faster evaluation of temporary or trial measures
- Reduced need for manual counts and improved data accuracy



Testimonial

“Connex Active has given us a level of visibility we’ve never had before. For the first time, we can see how pedestrians and cyclists interact in real time and use that evidence to shape safer, more responsive public spaces.”

Salisbury Council

Objective movement data is helping Salisbury make shared spaces safer, more responsive, and easier to plan.