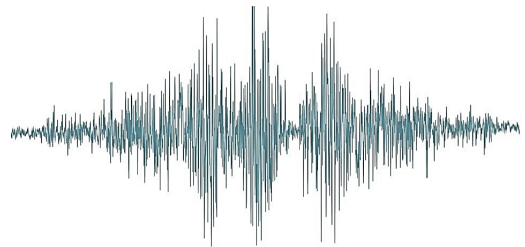
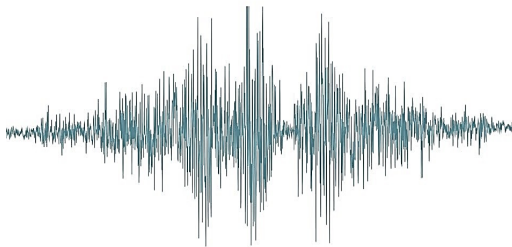


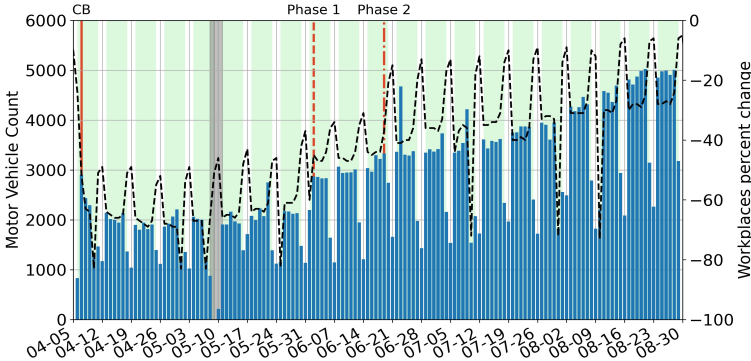
SmartCity 1.0

Urban monitoring system



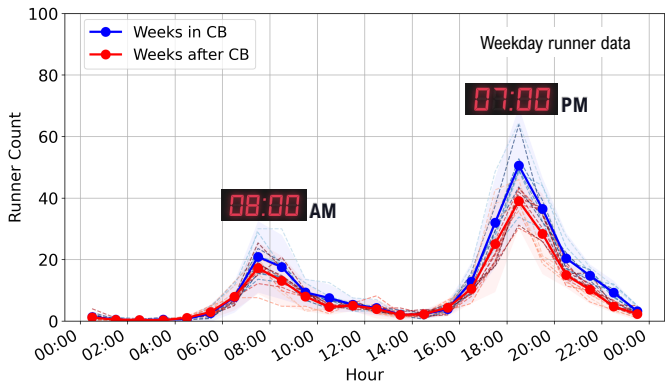
SmartCity 1.0 Urban monitoring system

Case 1: Vibration-based traffic and pedestrian monitoring



Nodal seismic for road traffic monitoring

- Nonintrusive: No privacy concerns compared to camera and cellular data
- Real-time: With data communication and real-time processing
- Rich information: Simultaneous traffic and road health monitoring

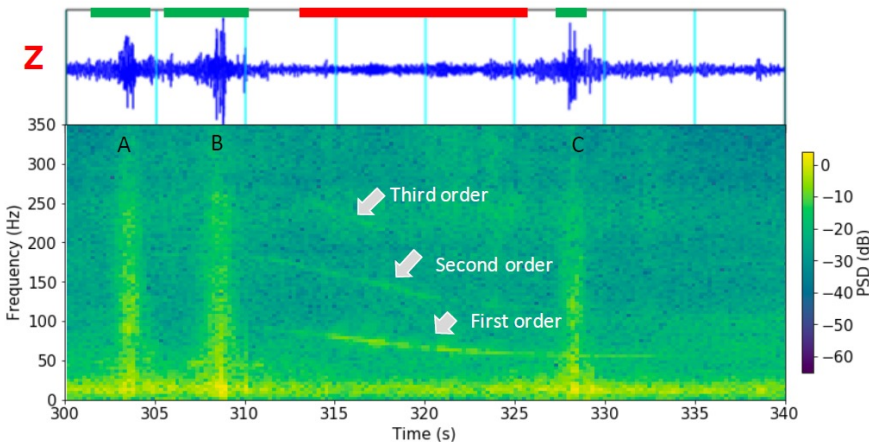


Case 2: Vibration-based airplane detection



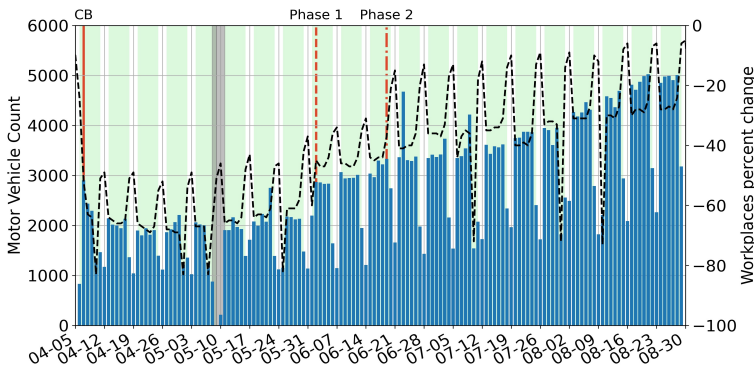
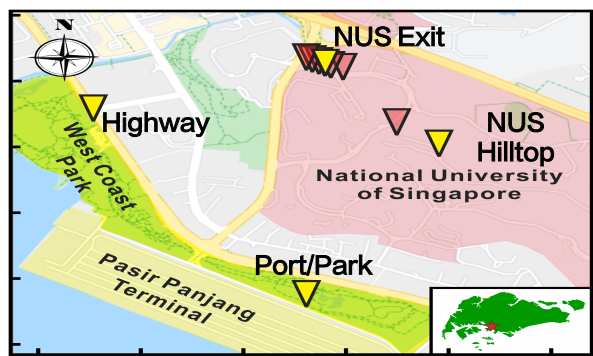
Airplane detection

- Flight speed: 187 knots
- Flight height: 730 m
- Detection distance: ± 1.6 km



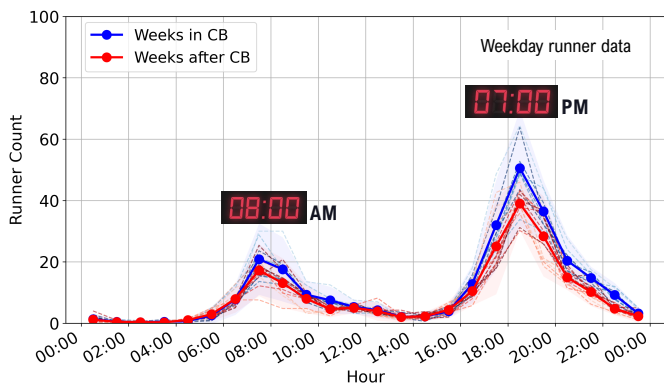
智慧城市 1.0 城市微震智能分析监测系统

案例一：基于微震监测车流量和人流量 – 新加坡国立大学和西海岸公园案例



节点地震仪路况监测技术特点

- 非侵入性：避免摄像头和手机数据引起的隐私泄露风险
- 实时性：实时数据采集，传输和处理
- 多目标监测：同时检测路况、道路健康、以及近地表地质情况



案例二：基于地表震动的飞机监测



基于地表震动测算的飞行参数

- 飞行速度：187 节
- 飞行高度：730 米
- 检测距离：± 1.6 公里

