



What is Smart Infrastructure? 'Smart infrastructure' responds intelligently to changes in its environment, with the ability to influence and direct its own delivery, use, maintenance and support Digital Transport Energy Water Telecomms Wast UNIVERSITY OF CAMBRIDGE Cambridge Centre for Smart Infrastructure & Construction

Innovate UK

EPSRC



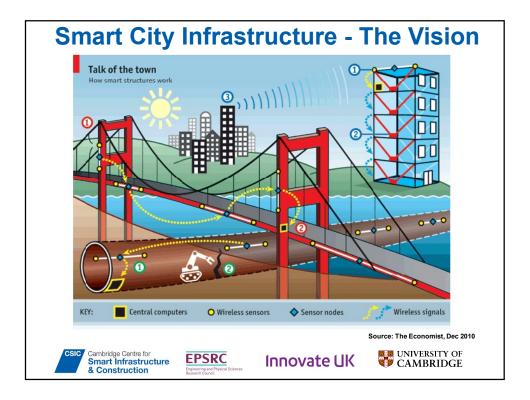


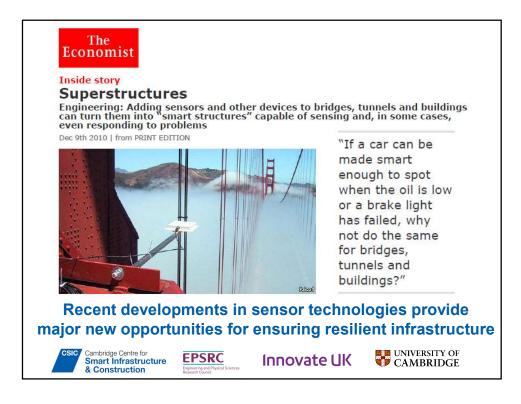






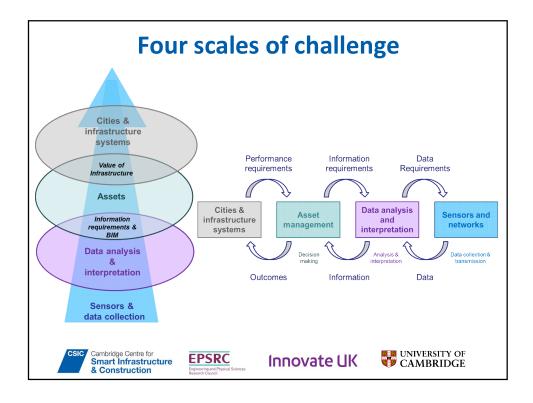












CSIC Approach 1. City scale Modelling urban development _ Human interaction with infrastructure _ _ Smart city standards 2. Asset scale - Whole life value approaches to asset management Smart information for asset management, design and _ construction 3. Sensor scale Distributed fibre optic strain sensors _ Wireless sensor networks and MEMS devices _ Energy harvesting - sensors without batteries Computer vision UNIVERSITY OF CAMBRIDGE Cambridge Centre for Smart Infrastructure & Construction EPSRC Innovate UK

