

Giving a 'smart edge' to Kakinada in Andhra Pradesh, India

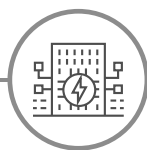
PROJECT BACKGROUND

STL, with its expertise in converged networks, designed and deployed a Smart city ecosystem with IoT driven civic infrastructure like smart lighting, public Wi-Fi, city surveillance, video analytics, public announcement systems, and much more. All these applications run on the back of a robust 120 kms optical fibre backbone and an MPLS network. Making Kakinada a *'truly smart'* is an advanced command and control centre and provides a 360° situational awareness and action mobilization for the city. Applying design thinking to each layer of the network, STL also created an end-to-end safety ecosystem, which will make the city safer and enable seamless action on smart surveillance, disaster management, robust governance, and energy conservation.

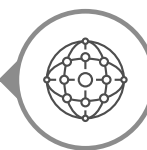
CHALLENGES THAT WE FACED (AND MITIGATED)



Vast scope of spanning connectivity, civic infrastructure & centralised controls



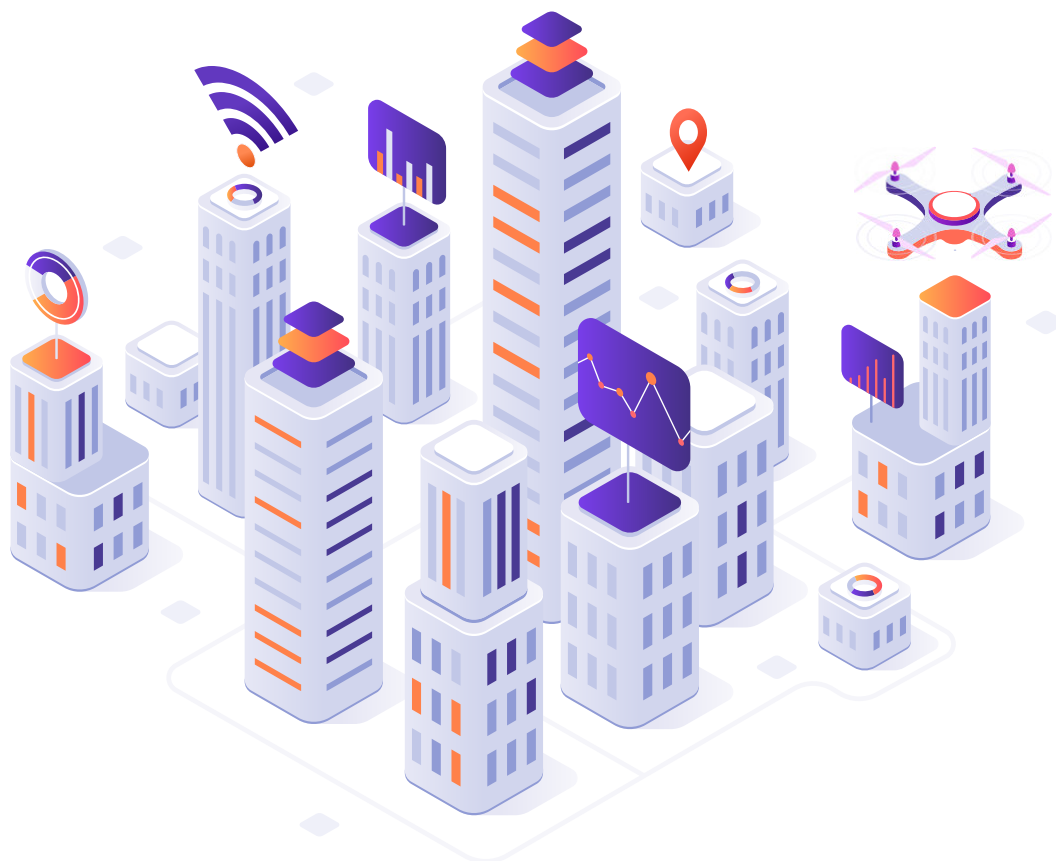
Lack of high speed broadband to support smart city applications



Designing from a scratch a massive IoT ecosystem

STL SOLUTION TO DELIVER EXCELLENCE

With our capability of end to end ecosystem design, we delivered a sophisticated smart city ecosystem for Kakinada in Andhra Pradesh. STL created India's one of the most advanced Command and Communication Centre (CCC), with over 1,600 elements of smart City technologies integrated into it. The CCC is equipped with various technology firsts like horizontal Internet of Things (IoT) platform; Long Range (LoRa) based city-wide wireless sensor network and disaster management system.



IMPACT DELIVERED

50k

Monthly Wi-Fi users connecting to public Wi-Fi

90k+

Minutes of public awareness messages displayed on VMDs

25%

Energy savings through smart lights

325k

Citizen lives impacted