

# Our future Yarra

The vision for Yarra 2021.

Note: Indicative illustration only.

## Smart Lighting

Smart poles house LED lights, WiFi points, sensors and public address systems.

## Smart Bins

Sensors inform waste collection; bins are connected with compactors and WiFi sensors.

## Smart Energy

Solar batteries power municipal assets; recharge points for mobiles, bikes, cars.

## Smart Parking

Sensors detect available parking and data is sent to/accessed by drivers.

## Smart Cameras

Integrated CCTV provides public safety, parking solutions and management, number plate recognition and traffic counts.

## Smart Benches

With WiFi and phone charge points.

## Smart Sound

Coordinated microphones, cameras and sensors for public safety announcements and safety responses; music backgrounds for events.

## Digital Signage

Street signs are smart and house WiFi; data analytics tailors messaging.



## Smart Buildings

Building Information Modelling (BIM) provides reliable new build and infrastructure knowledge to inform decisions, achieve effective asset management and reduce maintenance costs.

## Public WiFi

Free public WiFi provides high speed quality internet access.

## Smart Water

Smart meters provide water consumption data; sensors alert to network activity (water quality, flooding, malfunctions).

## Smart Health

Sensors, beacons, physical design and app connectivity provide real-time allergen and air quality information.

## Internet of Things (IoT)

Wireless network connects most devices to each other. Sensors and smart city apps generate data on the city.

## Smart Council

Modern ways of working provide better customer experience, efficiencies and community participation.

## Smart Screens

Interactive screens help people discover what is happening in Yarra.