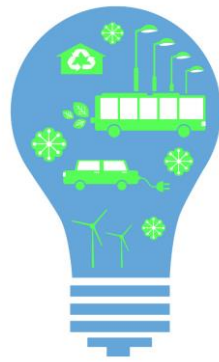




TECHNOLOGY DELIVERED THROUGH HUMAN INTELLIGENCE



Smart City Capability Statement

Ensuring usable and tangible technologies that
enhance business and lifestyle alike.

Who is TPL Connect?

The TPL Connect (TPL) is a privately owned company based in South East Queensland. TPL was founded as a technology solutions company with independent expertise in Smart City solutions, data centres and ICT Infrastructure design and delivery.

TPL are enablers of digital strategy for many types of companies, environments and users. TPL are leaders in Australia's smart city and digital strategy.

Working from the design and feasibility stage, through high level, detailed design and construction phases, the TPL team offers an end to end ownership. Basically TPL deliver to their designs.

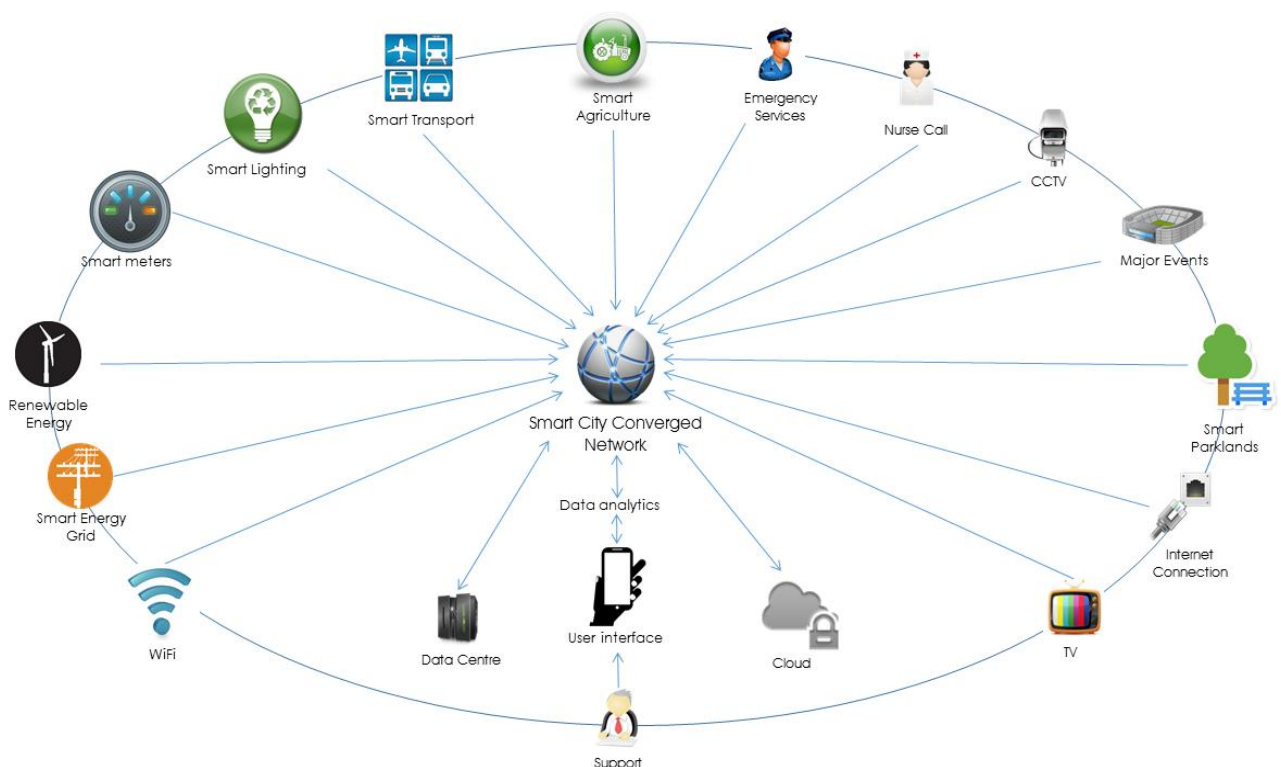
From concept stage, to writing Tender packages and contract management, TPL is the Smart City partner of choice. This document outlines the benefits of partnering with TPL on Smart City projects.

What is a Smart City?

Smart means many things to many people, the most important question is what does it mean to your region? The drivers for a "smart" city or region should be different in different areas. If you have an aging population and key drivers are around security, mobility and ease of transit your region does not need the same smart infrastructure as a region with a growing young dynamic that are reliant on smart phone interaction and constant connection to social media.

The concept of a Smart City or Region is not defined, there is no absolute definition of a smart city, no end point, but rather a process, or series of steps, by which cities and regions become more livable and resilient, hence, able to respond quicker to new challenges.

TPL have worked with CBD and regional councils on numerous levels to work through these drivers and key outcomes required to deliver a relevant smart city, not a marketing campaign.



Technology delivered through human intelligence

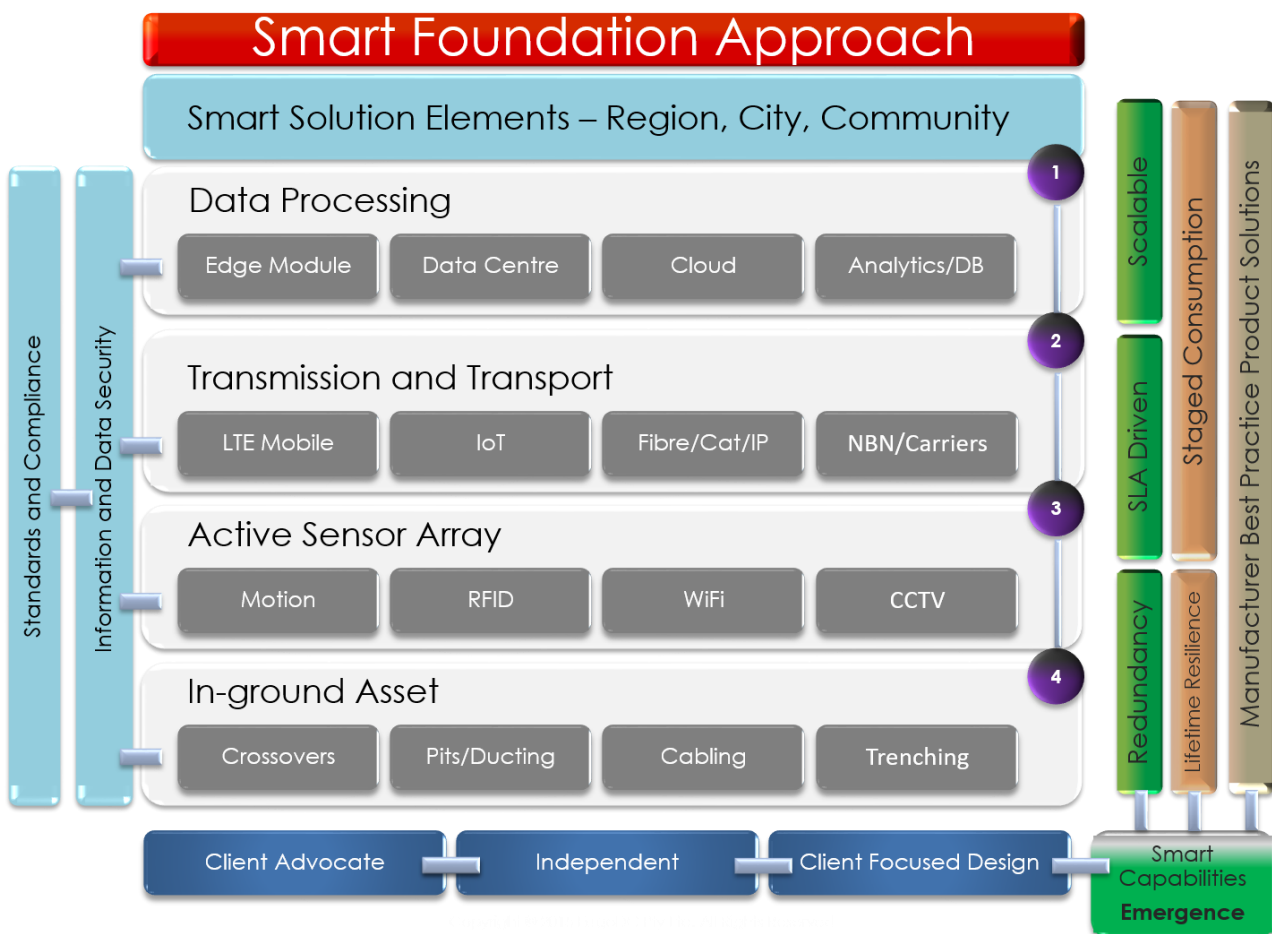
Starting the journey

In the early stages of your digital journey, it is important to obtain knowledgeable input on the drivers that will affect your strategy and plans. TPL work with you to understand the requirements of your region and work on a plan to enable a more efficient and livable outcome through smart digital strategy.

It is vitally important to understand what current assets and infrastructure your region already has to ensure that any strategy is optimized around lowest impact (and cost) start up.

Below outlines our engagement model:

1. Undertake high Level requirements gathering creating the Smart City Vision
2. Work through the regions key areas targeted for improvement and undertake a technology roadmap and alignment assessment
 - o Monitisation Options, ROI, Benefits Analysis and growth plan
3. Manage high level site audits and region requirements gathering
4. Detail current infrastructure capability to support the proposed technologies
5. Analyse the findings and produce a design and roadmap outlining the requirements benefits moving forward.



Where can The TPL Connect help?

Smart city strategy

TPL observe that many client strategies are predominately shaped by international manufacturers and Telecommunications provider offerings. TPL offers a targeted and independent expertise to its clients.

We can deliver professional services aligned with the strengths of tested manufacture solutions, but assessed with a focus on high value local needs that may require more bespoke solution approaches.

Internet of Things

The Internet of Things that are physically connected with embedded technology and intelligence will grow exponentially over the coming years. It will become a major enabler of Smart City design and capabilities as it forms a foundation of connected technologies and devices exchanging data. It will likely alter the traditional decision making

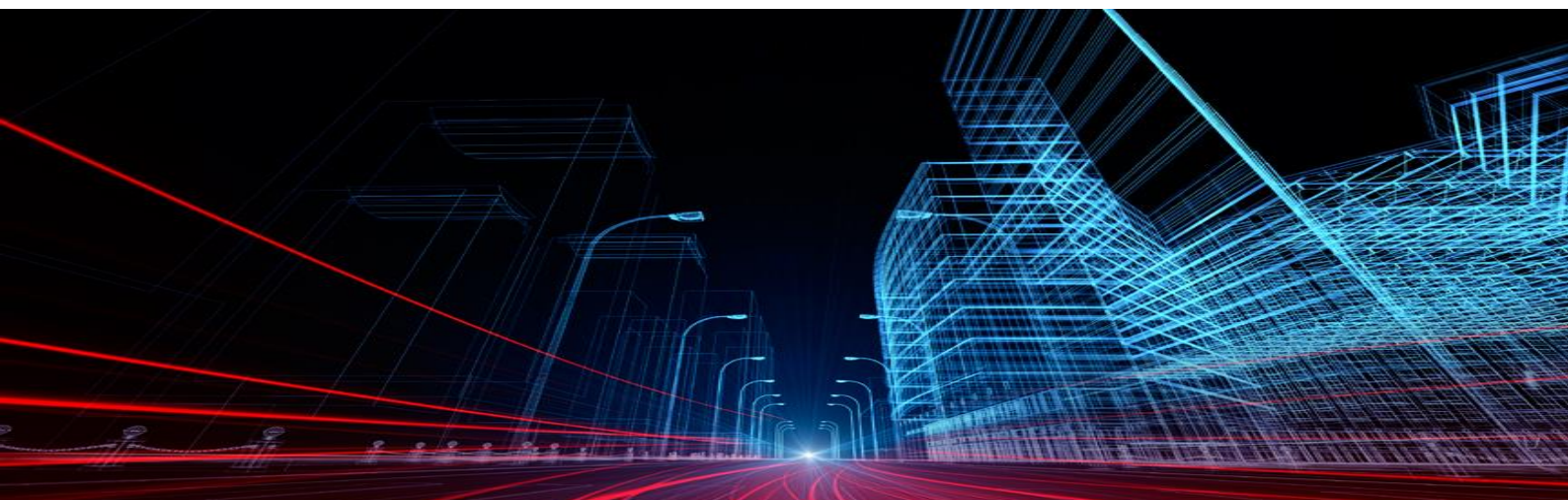
processes of clients as operational and community awareness of associated benefits is better understood. Organisation's will need to consider and decide how they can benefit, and what they want to utilise that is relevant to their Smart strategies. TPL is well positioned to provide independent professional services to assist clients implement IoT related technology to maximise the highest delivered value for them.

Technologies

The fast growth of wireless networking technology coupled with accessibility of high speed mobile broadband is making urban connectivity more ubiquitous.

TPL Focus on the design and delivery of these key technologies:

- Wireless & Wired Networks
- Data Processing
- Data Centre's and Nodes
- Active Sensor Arrays
- Inground Assets



Foundation Infrastructure

Smart and Digital regions can only deliver what the foundation infrastructure can support. It is an often forgotten and overlooked component of the overall strategy however a vitally important one.

Supportive infrastructure

The baseline supporting City infrastructure is critical to achieve the required design outcomes. In the design stage TPL work with solution providers and the client to ensure a client centric design. Typically this involves;

Detailed client requirements meetings, ensuring all stakeholders are present detailed audit of current infrastructure (In green Field sites this is to be done with consulting engineers, architect and builders). Engage key stake holders to understand all business requirements

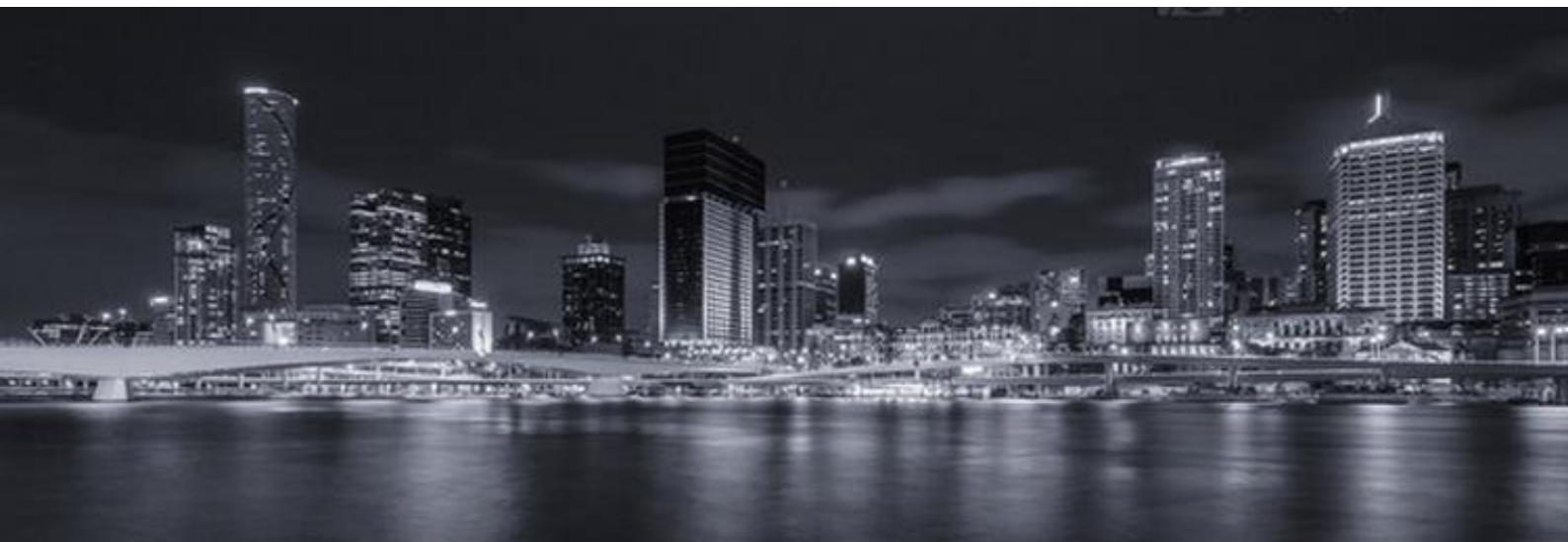
Design to construct – deliver.

Through its Project management office TPL can manage the tender and construction process of its designs.

As clients look to mitigate risk and look for ease of management, giving project responsibility to one entity makes sense for many clients.

TPL uses a proven PMBoK framework and staff with proven capability in their relevant industry with a focus on quality, safety and timely delivery.

TPL as a company are well structured to manage a Design and construct engagement due to its consulting, design and project management focus.



Think of your digital information as cars and trucks that need to travel to a destination. The quantity, and how quickly they arrive, is completely dependent on how well designed the infrastructure is.

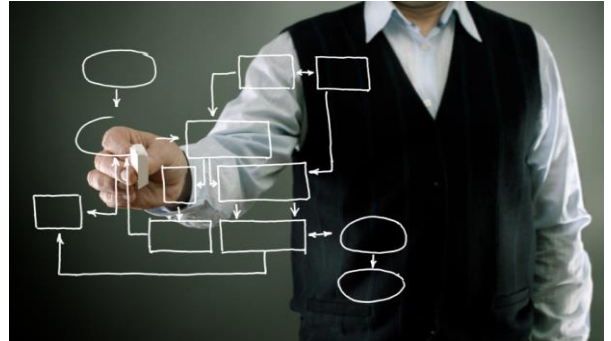
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Where to from here?

TPL starts its Smart City journey with clients with simple and practical real world steps. We typically;

1. Priority Alignment – what are the high value goals to be achieved
2. Perform a foundation review – what is the baseline, where are the gaps?
3. Look for quick wins – what makes sense to get some momentum and early benefits?
4. Create a kick-starter plan, to-do roadmap and achievable path forward.

It is from the key starting blocks that we can work on a long term strategy that ensures relevant and meaningful outcomes.



Our commitment to the Industry

Australian Smart Communities Association

TPL are passionate about Smart City and digital disruption. We are actively engaged in the industry and have joined Cisco and Telstra in sponsoring the first ever Smart City conference run by The Australian Smart Communities Association.

TPL see the group as a leader in the field driving the digital disruption for the region and Australia.



<http://www.australiansmartcommunities.org.au/>

Experience counts.

The team at TPL have worked on Smart projects in both design and delivery capacities, below are just a few relevant projects:

Sunshine Coast Council -Smart City Principles



The team at TPL work with the council around smart city initiatives in a number of roles and capacities. One of the more strategic engagements was for TPL Connect to create the Councils Smart City Principles. This exciting engagement allowed the team to workshop a set of guiding principles to align to the regions Vision statement.

TPL are also working in a governance role to ensure that current designs and plans are aligned to the regions goals. The team are also heavily involved in the design of the regions telecommunications infrastructure to ensure the vision for the region can be achieved including WiFi, Analytic coverage and IoT device support.

Furthermore, TPL are currently designing the Maroochydore CBD Wireless network to deliver the first Gigabit ready IoT Network in Australia.



Telstra Air (WiFi Nation)

The team worked with Telstra's Tier 1 contractors in the design and construction of Australia's largest Wi-Fi project, Telstra Air. This huge undertaking is an important part of the Australian digital strategy.

The TPL team were engaged to manage the design of the fibre optics, copper and WiFi access points to ensure coverage and user experience met expectation and the analytics would provide meaningful data.

Brisbane City Smart WiFi Roll-out



Working with a leading Telecommunications Tier 1 Company the TPL were tasked with designing the foundation infrastructure of this project.

The team also worked on site surveys ensuring that all designs were deliverable and supportive infrastructure available.

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