



Sustainability is at our heart

Enzen was established with a singular purpose.

To make energy and water affordable, accessible and sustainable for all.





Global Experience – Local Presence





DENTIAL - ©ENZEN 2020

Revenue CAGR of 67%

since inception

Growth



Our Capability & Structure



Business Units



BUSINESS TRANSFORMATION

We help energy and water businesses develop strategy and manage sustainable change to deliver transformative advantage



BUSINESS OPERATIONS

We connect performance and operations to enhance asset value and consistently deliver frontier levels of efficiency, customer experience and asset reliability



ENERGY AND WATER NETWORKS

We help our customers move to
Transactive Smart Networks of the
future by identifying and delivering
consumer centric, holistic asset
network solutions



DIGITAL ENTERPRISE

We help energy and water businesses utilise digital technology by creating tools to measure, automate and optimise workflows.

Controlled Entities





Integrating Industrial IoT into your Business

THE ENZEN GROUP

JULY 2020

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IoT: Why Now – A Tipping Point?

COVID and natural disasters are driving the need for:

- Agility and business continuity
- Remote access and control
- Asset, equipment and material tracking
- Supply chain visibility
- People proximity, tracking and health monitoring
- Government community infrastructure stimulus
- Business & community efficiency & innovation

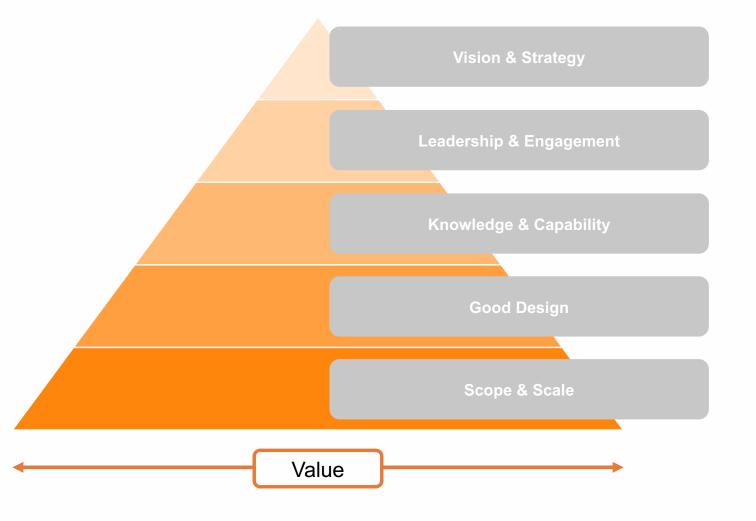
Scarcity, security & environmental impact on resources

- Drought water scarcity & management
- Energy security commodity vs services, passive vs active management, increased renewable hosting capacity





Success is a Product of:







Success requires Vision & Strategy



- Vision 1, 5 and 10-year horizons
- Strategy
 - An **Enterprise strategy** that includes environmental scans on customer expectations, markets, technology, policies and regulatory changes
 - ➤ A sub-ordinate **Digital Transformation Strategy** how does IoT fit with the digital architecture
 - > An IoT Strategy and Roadmap

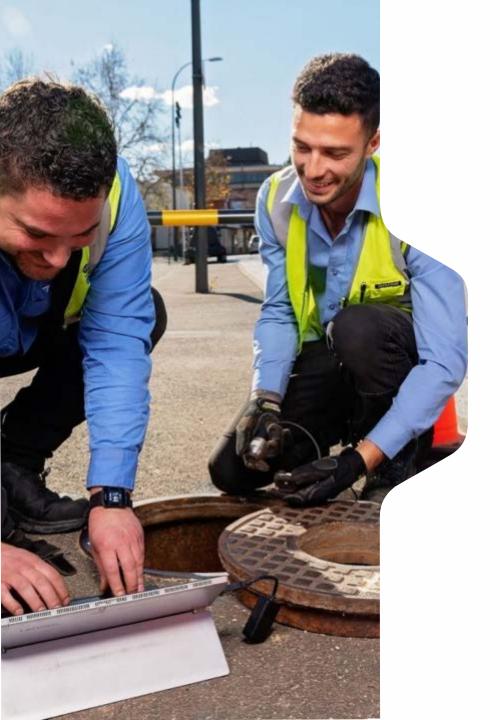




Success requires Leadership & Engagement

- Create social & economic value for the business and the community
- Ensure horizontal and vertical ownership within the business
- Communicate, collaborate and engage with employees and unions
- Democratise data and knowledge
- Use the agility of IoT as a platform for Innovation
- Understand the real cost i.e. SCADA vs IoT
- Implement new operating models
- Consider ownership of the IoT network as part of your customer and community engagement strategy





Success requires Knowledge & Capability



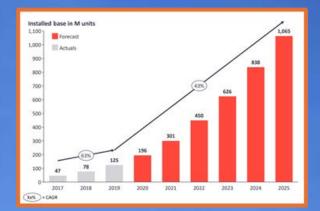
- Develop **Data Requirements** to feed the strategy
- **Learn** from others by leveraging existing research and development, trials and scale deployments
- Engage a system integration and business transformation partner
- Develop internal capability in IoT, data science and operations expertise



Success requires Good Design

- Use Open Standards to increase competition, agility and flex - avoid vendor lock in and leverage development communities
- Design network architecture fit for purpose (see illustration) Carrier Grade networks with device management
- Ensure mature Cyber Security capabilities
- Establish an any network IoT Enterprise Data Layer to integrate IoT data with other enterprise systems
- Ensure interoperability and multi tenant capability
- Ensure control and multicast capability
- Choose a suitable business model
 - IoT as a service
 - Infrastructure partnership data & revenue



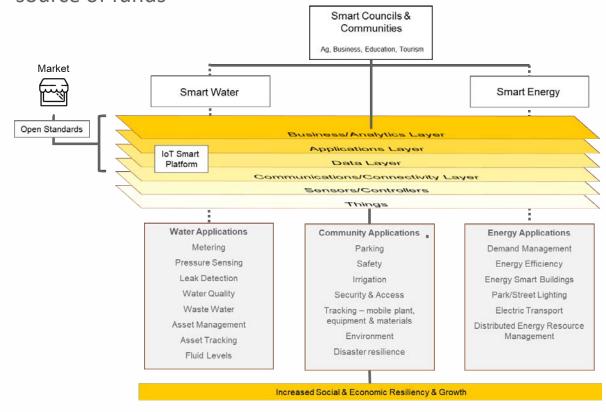




Success requires Scope & Scale

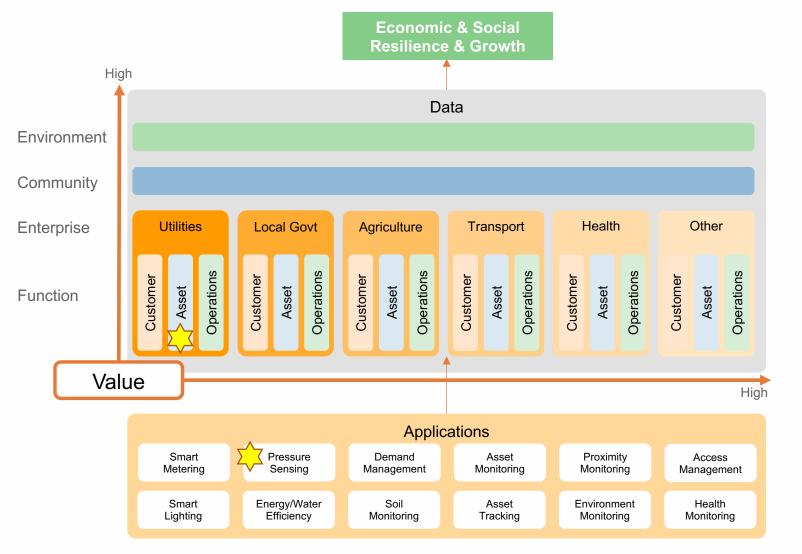


- Assess all of business internal applications and value no silos, bolt-ons or exclusion of management services
- Consider IoT Platform services to customers & third parties
- Leverage the energy & water nexus to create a sustainable source of funds





Amplifying Value







Example: Disaster Smart Solution

A sensed territory conflated with other enterprise and public data will increase social and economic resiliency

