2021 Annual General Meeting Presentation

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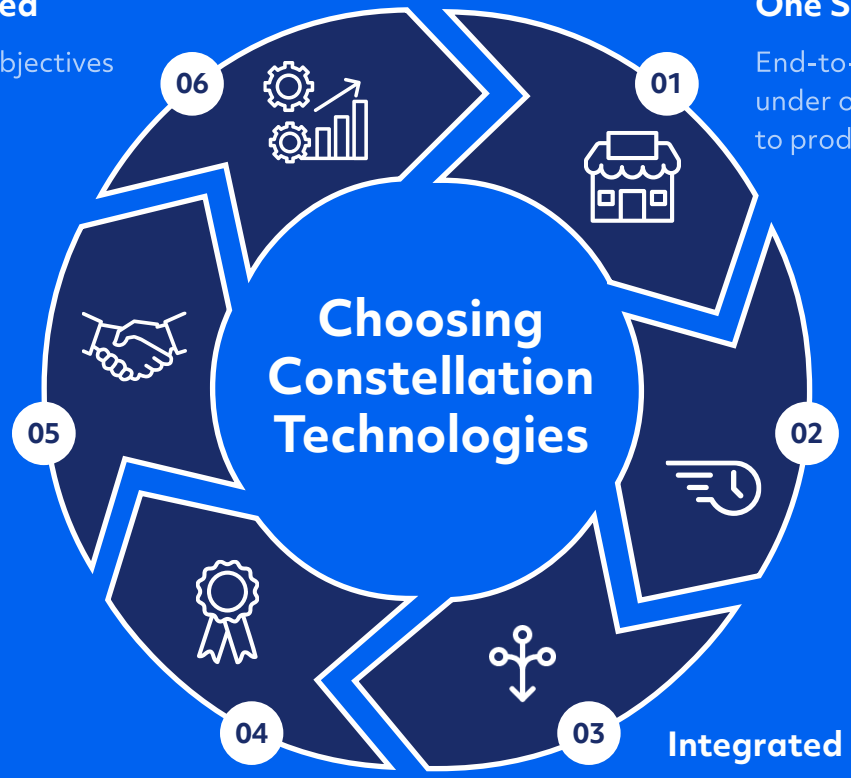
CT Overview



One Stop Shop

End-to-end IoT capabilities under one roof from concept to production.

Rapid Development & Deployment

MCT platform means that your solutions are already 80%+ built.

Integrated Solutions

We work with you to optimise your IoT solutions through seamless integration with your existing business systems and processes.

Experienced

80 people with deep IoT experience across every major industry sector.

Partnered

We work with some of the world's largest tech companies to ensure that we can deploy and support national and international roll-outs.

Service-focused

Our customer's objectives are our focus.

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CT IoT Hardware Evolution

Button activation, BLE and RF communications

Generation 1 Smart Tag

NFC activation, induction charging, BLE, RF and Direct LPWAN communications

Generation 2 Smart Device

LPWAN communications (LoRa, NB-ioT, Sigfox) with GPS Sensors (Temp, Humidity, Gas, Soil Moisture)

Generation 3 Smart Device/Gateway

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Gallactic IIOT Edge Gateway

- Easy Edge Data Acquisition From Fieldbus Equipment (Serial Ports,Modbus, Ethernet)
- Efficient Edge Data Logging and Processing –Minimise data wastage, OTA(Other the air configuration updates)
- RESTful/C/Python APIs and API tokens make OT data integration into IT applications easy and secure
- Designed for use with cellular networks, Galactic-IIoT is compatible with 4G , LPWAN and regional EDGE coverage areas.
- Secure Data connectivity to MCT-OpenVPN over TLS to MCT

Use Cases

- Pipeline Pressure Monitoring
- Water Quality Monitoring
- Weather Stations
- Tank/Silo Level Monitoring
- Ambient Air Temperature & Humidity Monitoring
- Rail Track Temp/Strain gauge Monitoring
- Cathodic Protection Monitoring
- Noise Levels
- Smart Relays & Protection Relays
- Vibration Monitoring
- Weigh Scale Interfaces
- PLC/RTU Interfaces
- Camera interfaces
- Soil Quality Monitoring
- Flow Monitoring
- Dam/Weir Level Monitoring

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Evolution of IoT to MCT Platform

Growth

The proliferation of data gathered from the physical world continues to grow exponentially.*

Inefficiency

Most of the data currently gathered is not being used to inform timely, insightful and beneficial decision-making as software lags hardware and industry adoption lags technology development.

Data Waste

This data wastage is an enormous and growing opportunity cost for society.

Increased Risk

Everyday unwanted events occur, and events that could happen don't. As a result, people and property are harmed, productivity is curbed, resources are misallocated, and the natural environment suffers.

Improvement

Informed timely applied knowledge can alleviate negative events and enable positive action.

MCT

Constellation Technologies software platforms] that is capable of digesting, processing and presenting this expanding cosmos of data to enable positive actions to occur.

*By 2025, worldwide data is predicted to grow to 175 Zettabytes of which IoT will contribute over 50%.

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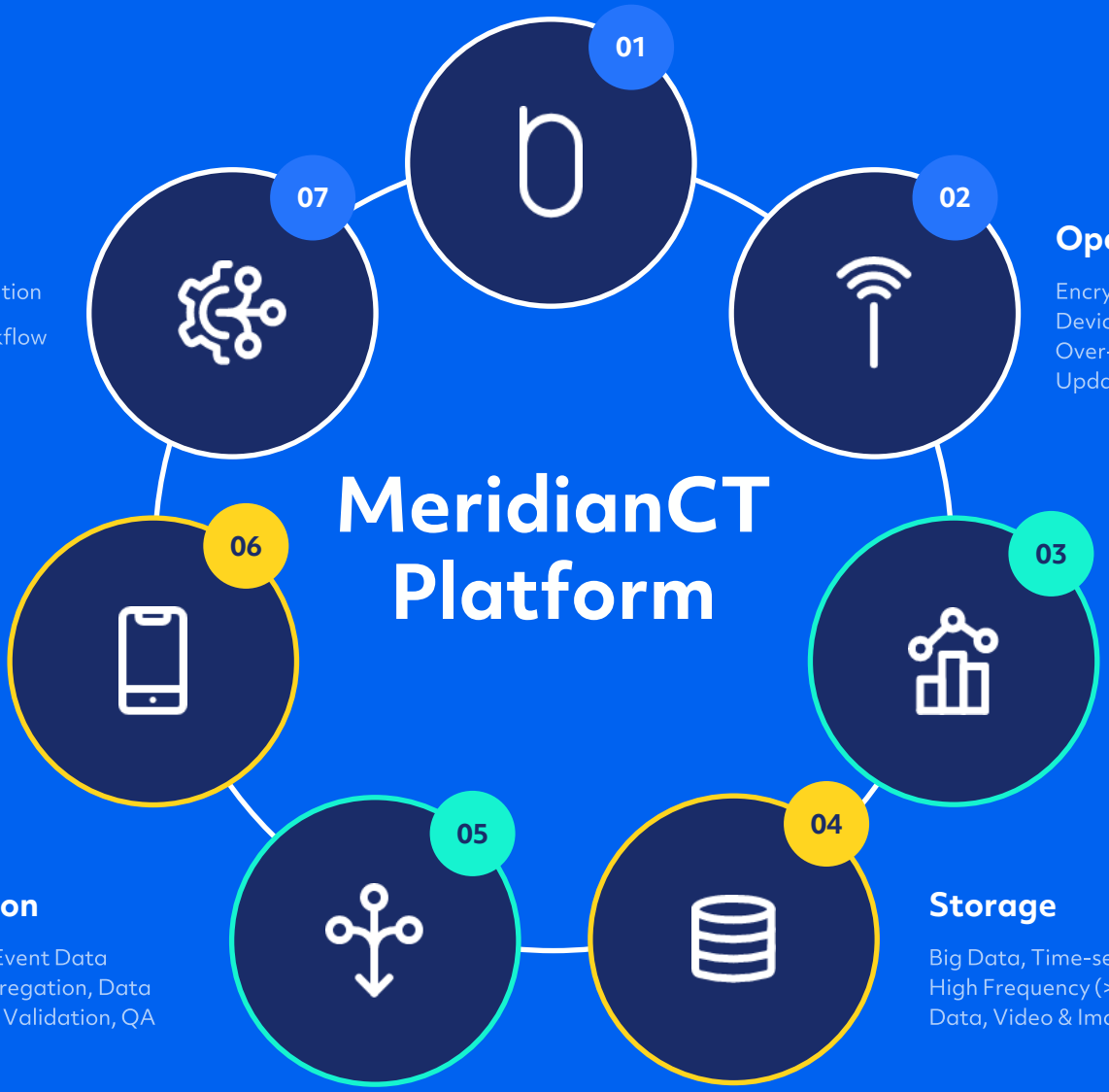
Physical Devices & Controllers (Things)

IoT Sensors, IP Cameras, Industrial Sensors & Machines, Industrial Process Control Systems (two way integration), Web API, 3rd Party Data Sources, Manual Data Entry, Observational Data & Imagery, IIoT remote control & Automation



Enterprise

Business System Integration

Business Process & Workflow Automation

Open Device

Encrypted Data Collection, Remote Device Configuration Management, Over-the-air Firmware & Software Updates, Monitoring & Alerts

Application

Business Intelligence, Analytics, Dashboards, Advanced Visualizations, Digital Twins, Mobile Apps, Scheduled & Manual Reports

Data Management

Scheduled Data ingestion, Data Extraction, Automated Data Collection, Bulk Data Upload

Preparation

Time Series & Event Data Explorers, Aggregation, Data Filtering, Data Validation, QA and Trending

Storage

Big Data, Time-series Data Including High Frequency (>200Hz), Spatial Data, Video & Image Data

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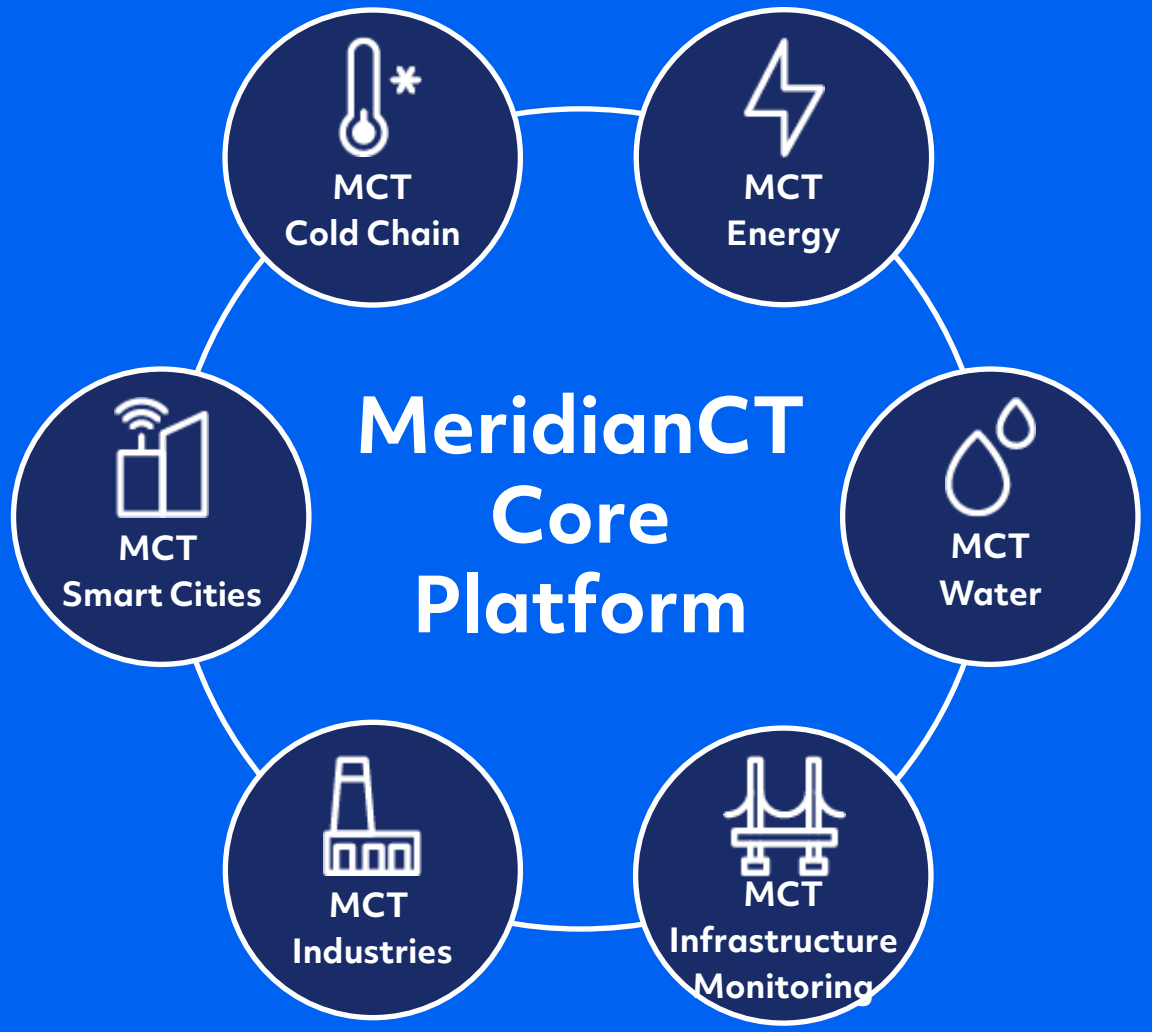
MCT Industry Solutions



MeridianCT Platform - **the one core platform supporting many varied IoT applications.**

Each usage of the MCT leverages the asset and progressively builds on the ROI.

The platform provides for rapid development, integration and deployment of customised IoT solutions with bespoke front-end interfaces to meet the individual customer requirements for B2B and B2C applications.

MCT platform addresses the missing link - Customisation for inflexible productised solutions in the emerging IoT sector.

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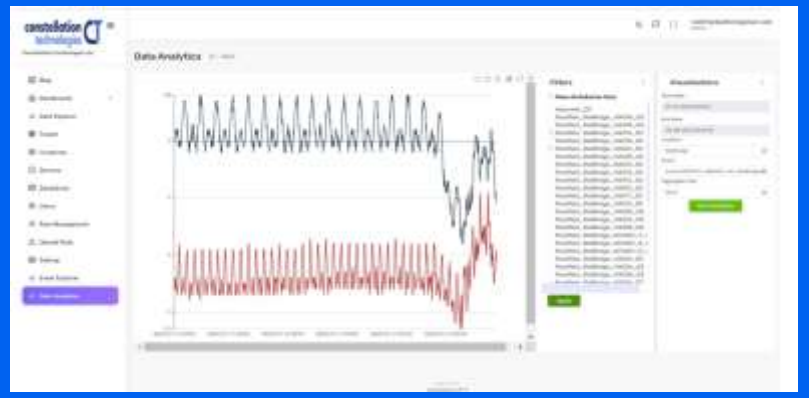
MeridianCT Platform Deployments

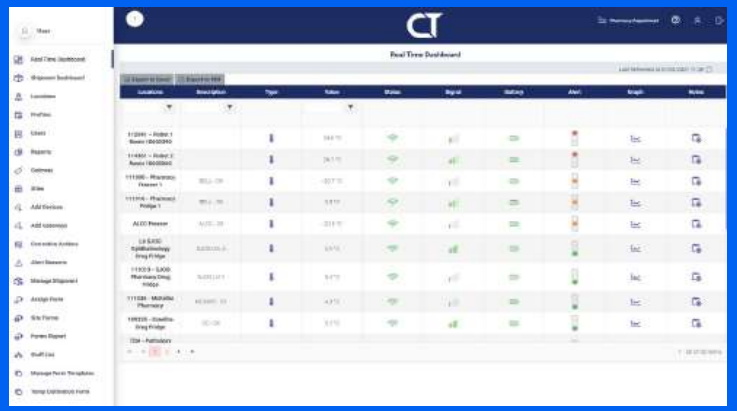
MCT Smart Cities

MCT Water



MCT Infrastructure Monitoring

MCT Energy



MCT Cold Chain

MCT Industries

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Recent Sales

- Rockfield Structural Monitoring (MCT Platform)
- Luhe Project Consultation (China MCT Platform)
- DOMA Hotels (IoT)
- Monash Animal Research Platform (Parkville) (IoT)
- Bistecca Restaurant (IoT)
- The Gidley Restaurant (IoT)

Proof of Concept Projects

Jimbour Beef and Bacon Processor : An IIOT proof of concept with our Gen3 product, project funding provided by the AMPC (Australian Meat Processor Corporation).

MB Group : Energy and Temperature monitoring platform using MCT and Gallactic IIOT Gateway for supermarkets.

Spotless Group : *National Facilities asset monitoring to improve asset performance, downtime and energy consumption via MCT IIoT solutions.*

M2 Lighting : POC for integrated controls, including LED lighting and Energy Management, for large commercial clients using IIOT Gateway and MCT Platform.

International Cement and Composite Fibre Company : Developing a customised application layer over MCT platform to provide production productivity metrics includes IIOT Gateway to collect live machine and production data.

Life Pharmacy Group : POC to test IOT cold chain monitoring solution which is part of broader commercial opportunity with a peak national body.

National Equipment Manufacturer: Digital Twin POC to provide training and remote application for national global customers.

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Operations Summary

Australian Cash Receipts are steadily rising as we secure more subscriptions and trials turn into sales.

FY 21 Group Operational Net Cash Burn - $238k pm vs $120k current month

FY22 Group commenced operational cost cutting exercise over Sept Qtr to conserve cash balance

- Reduction to staff numbers in Australia & India
- Reduction in Group operational expense
- Reduced R&D activities due to completion of MeridianCT Core Platform

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Objectives for the year ahead

- Expand MCT and IoT platform sales based on solid sales pipeline.
- Achieve operational profitability while continuing a high-growth agenda to capitalise on market opportunities.
- Form strategic relationships with major technology companies to integrate the MeridianCT Core into their market offerings.
- Recommence negotiations with major customers that were suspended due to COVID-19
- Pursue opportunistic acquisitions to complement growth objectives

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