

CCP Technologies Limited (ASX:CT1)

Investor update



MONITORING CRITICAL CONTROL POINTS

Investor Presentation May 2019

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Melbourne based technology business that has developed and commercialised a Solution-as-a-Service proprietary software/hardware product for temperature monitoring. The Company has a wholly owned India-based IoT development team that supports both the product suite and undertakes third party development contracts.

Company turnaround commenced under new executive management and board changes in February 2019 that has already achieved a 50% reduction in monthly expenditures and a 35% increase in revenues and aiming to reach break-even in Sept qtr 2019.

Poised for growth with a strong revenue pipeline, a committed and experienced board & management with a track record of success in building technology companies.

Company snapshot



Market Capitalisation \$3.57m



Current shares on issue 446m



Share price (2 May 2019) \$0.008



12 month high/low \$0.022/\$0.006



Board & Management c.10%



Top 20 shareholders hold c.50%

Recent achievements

Company turnaround commenced in February 2019

Commercial focus with key indicators materially improving:

- Monthly revenues up – Mar '19 cash receipts up 127% on Feb '19
- Expenditure down – 27.6% decrease from Dec '18 to Mar '19
- Near term qualified pipeline up 85% since Feb '19

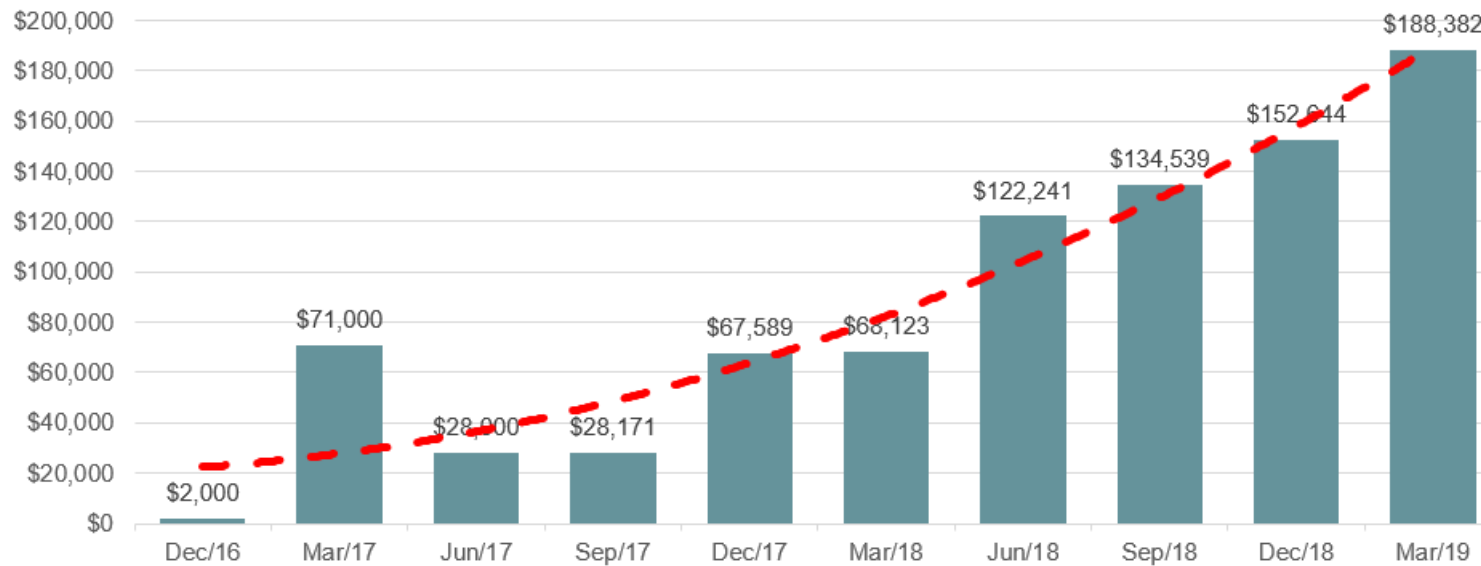
Strategic focus:

- Focus on near term revenues to achieve breakeven and supplement the progressing enterprise sales
- Simplified indirect sales model already seeing improving results
- Development services team generating cashflows and uncovering new IoT opportunities
- Reviewing corporate transactions that can leverage on CCP's IoT development team and product suite

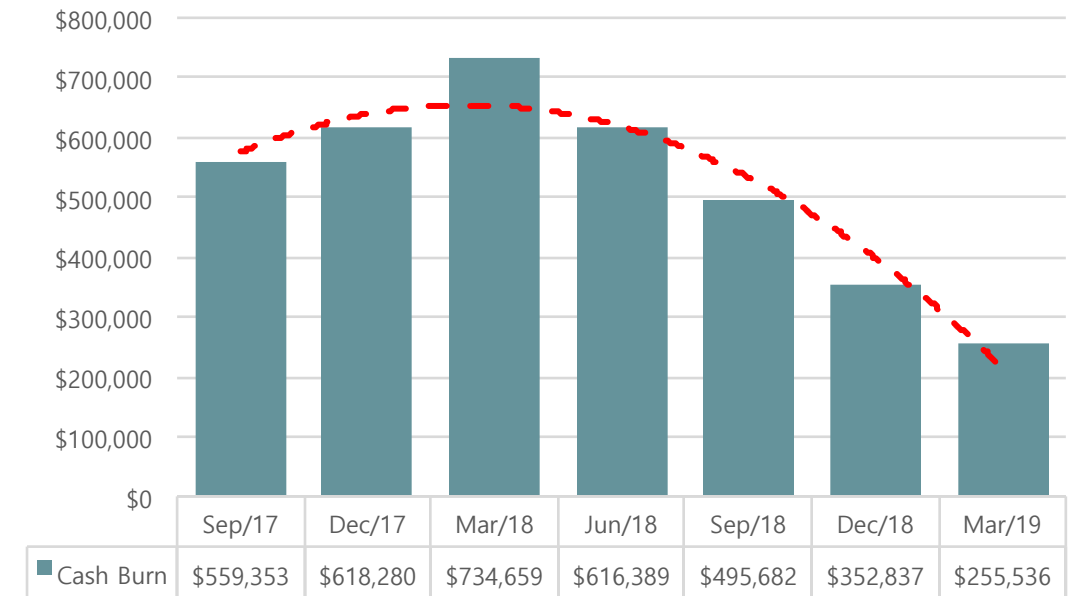
Quarterly results trend

March quarter only included 7 weeks since commencement of turnaround with revenues rising sharply and expenditures falling

Quarterly Sales Receipts



Quarterly Cash Burn



Business Overview – Multiple complementary streams

CCP Product suite – Critical control points monitoring solution

- Combination of hardware (sensors) and cloud based Software-as-a Service (SaaS) offering
- Generates a mix of upfront and recurring revenues on 2 to 3 year contracts

Software Development Services

- Third party, high margin, fee-for-service short to ongoing development projects
- Unique client offering with Bangalore (India) subsidiary managed by Melbourne based client facing team

IOT Seed Development (Concept to production & distribution)

- IoT concept to design, prototyping, firmware development, hardware testing and production
- Ongoing revenues from production with additional scope for IP royalty opportunities

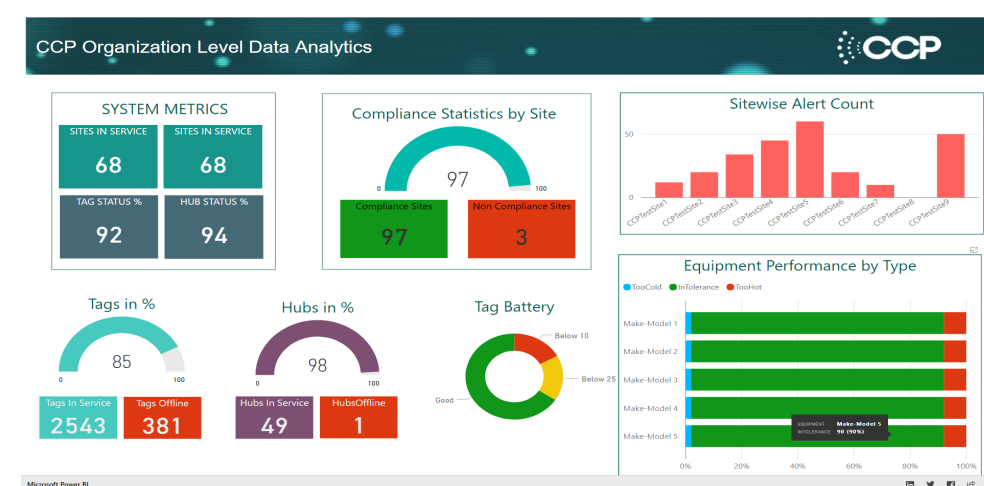


The CCP Critical point monitoring solution

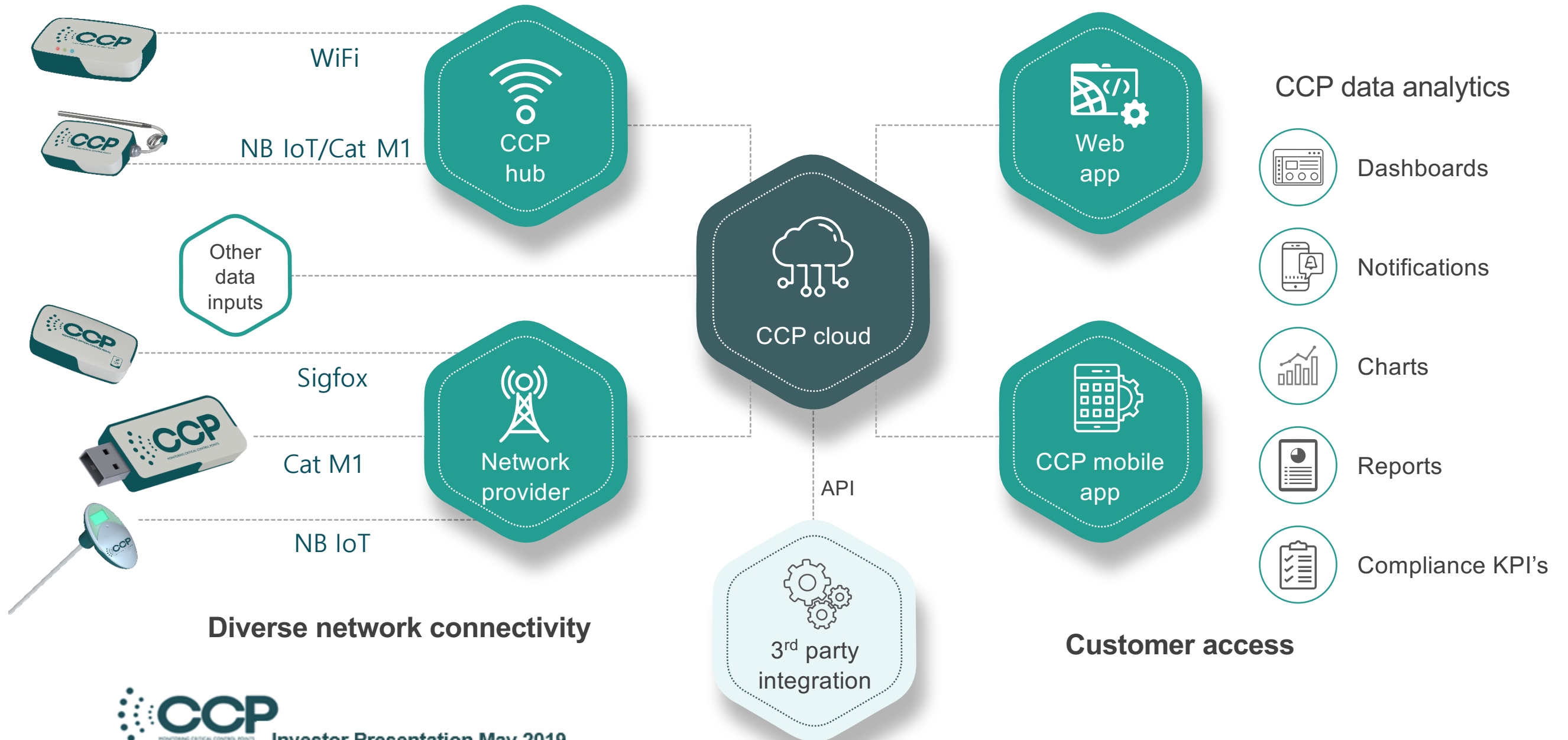
Continuous third party monitoring and data analytics provides clients with a solution to reduce product wastage, improve product quality, streamline compliance & asset management, reduce energy costs, and ensure supply-chain integrity.

Patented, versatile, low cost, plug & play hardware solution

Powerful cloud-based software platform enables timely & effective decision-making

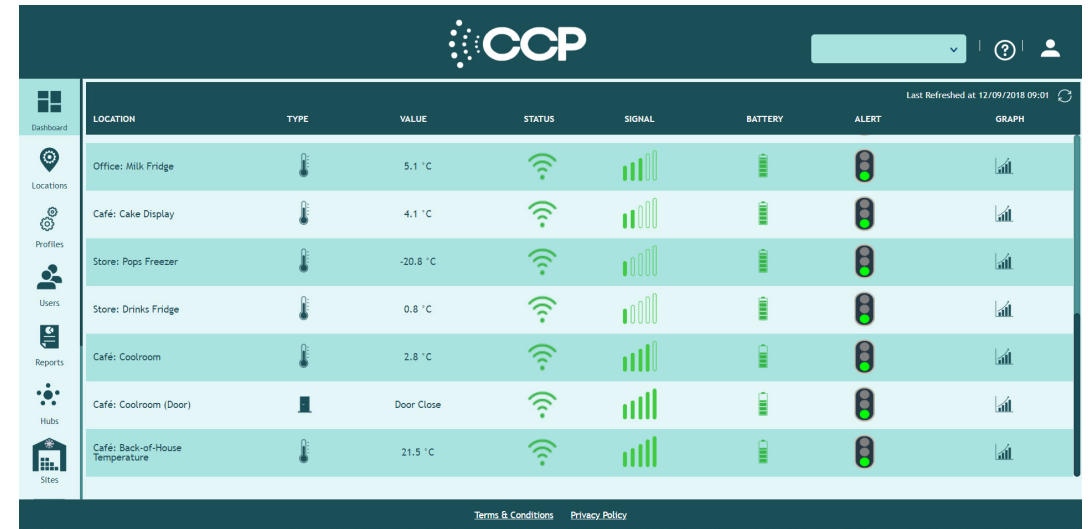


Scalable IoT platform



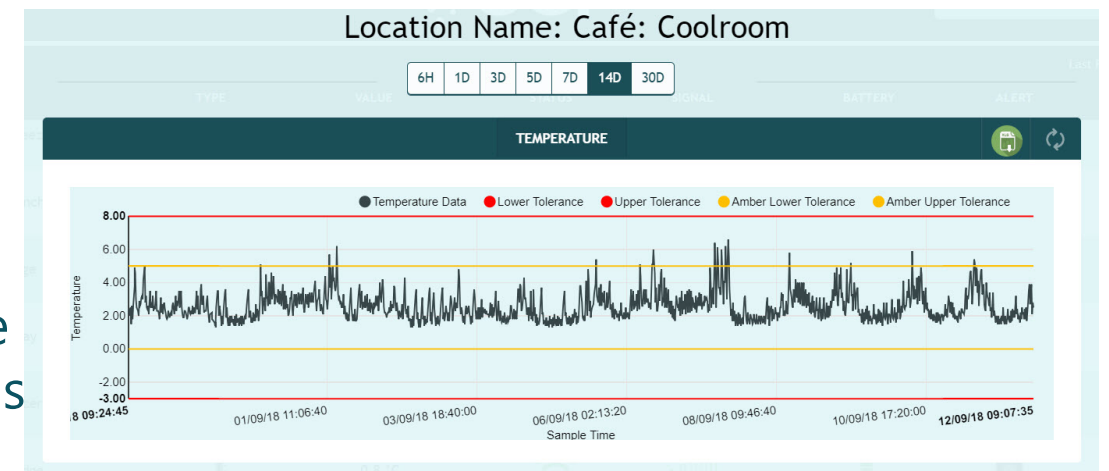
Competitive advantages

- ✓ **Edge Computing** – on-board data processing delivers a powerful edge-computing solution
- ✓ **Multifunction** – temperature, humidity, pH, door movements, energy usage
- ✓ **Proprietary & Patented** – Strong IP with licence potential for third party products
- ✓ **Low cost** – Low-cost, high value solution
- ✓ **Easy to use** – Plug & Play, providing real-time monitoring, analytics and notification of breaches
- ✓ **Scalability & versatility** – one solution for any size business and able to integrate with existing systems



The screenshot shows the CCP dashboard interface. At the top is the CCP logo and a user profile icon. Below is a sidebar with navigation icons for Dashboard, Locations, Profiles, Users, Reports, Hubs, and Sites. The main area displays a table with the following columns: LOCATION, TYPE, VALUE, STATUS, SIGNAL, BATTERY, ALERT, and GRAPH. The table lists several locations including 'Office: Milk Fridge', 'Café: Cake Display', 'Store: Pops Freezer', 'Store: Drinks Fridge', 'Café: Coolroom', 'Café: Coolroom (Door)', and 'Café: Back-of-House Temperature'. Each row shows the current value, status (indicated by a green signal icon), battery level, and alert status (indicated by a traffic light icon). A 'Last Refreshed at 12/09/2018 09:01' timestamp is visible in the top right corner of the table area.

LOCATION	TYPE	VALUE	STATUS	SIGNAL	BATTERY	ALERT	GRAPH
Office: Milk Fridge		5.1 °C					
Café: Cake Display		4.1 °C					
Store: Pops Freezer		-20.8 °C					
Store: Drinks Fridge		0.8 °C					
Café: Coolroom		2.8 °C					
Café: Coolroom (Door)		Door Close					
Café: Back-of-House Temperature		21.5 °C					



Distribution model for CCP product suite

Direct Channels

- Concentrating on enterprise (1000+) monitoring point opportunities
- Developing processes for automated ecommerce sales for smaller volumes

Indirect Channels:

- Leveraging existing distribution and reseller agreements
- Partners including Dicker Data, Channon Refrigeration, Tecair and Koolmax
- New channel partners emerging as commercialisation progresses with major brands
- Cloud Platform, upgrades and maintenance are centrally managed

B2B Online Sales

- Developing an e-commerce portal as well as exploiting existing ecommerce platforms
- Social media marketing to drive traffic to the proposed e-commerce portal
- New 'plug and play' feature enables seamless client setup and operation

Customer snapshot – Temperature monitoring

Current industry verticals with major clients moving through paid trials to initial roll-outs:

- **Hotels** - Park Royal, Crowne Plaza, MGM Grand, RACV, Pegasus Leisure Group and Bellagio (Las Vegas) are each using the CCP solution at selected sites.
- Major **service stations, national and international food & beverage chains**
- **Grocery chains** - IGA, Metcash and Supa Barn
- **Club venues** - Bankstown Sports Club and Wests Campbelltown
- **Hospitals** - St Vincent's, Mater, Epworth, Monash, Concord
- **Aged Care** - Homestyle, Meals of Wheels-Kurrangai



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Development team capabilities

CAPABILITIES	Internet of Things	Software	Web Technologies	Data Analytics	Blockchain
	LP WAN IoT Protocols including Sigfox, NB-IoT and Cat-M1	Hybrid (Web and Mobile device application) development	Dynamic web application development using Angular JS Framework	Set-up and maintenance of Big Data Platforms (Microsoft HDInsight)	Custom development of Distributed Application (DAPP) development on the Ethereum Platform.
	Local Communication Protocols including WiFi, Bluetooth Low Energy (BLE), Near Field Communication (NFC)	Native iOS and Android device application development for smart phones ,tablets and smart watches.	Responsive, cross-platform development using Xamrin forms	Streaming of IoT device data using Kafka streaming services	Blockchain to secure data and enhance trust verification processes.
	Modular hardware design and manufacture (up to four layers)	Design and implementation of layered software architecture	Robust REST API design and development using ASP.NET Web API	Machine learning algorithm development using R Language	Development of smart contracts and Decentralized Autonomous Organizations executed in distributed environments for enforceability and verification.
	Sensor and probe interfaces (temperature, humidity, pH, DO, shock etc)	Structured and unstructured database design and integration (SQL server, MongoDB)	Expertise in various cloud platforms including Microsoft Azure, Amazon AWS,Google .	Deployment of Machine Learning algorithms using SparkR & Hive	Blockchain technologies including Solidity, Truffle Suite, Remix, Ganache and Drizzle
	Firmware development in EmbeddedC	Cloud-based application deployment		Business Intelligence tools including Power BI & Tableau (dashboards, reports etc.)	
	Rapid prototyping for nascent technologies	Continuous integration			
	End-to-End product development and production (hardware/firmware/software)	Agile Development			
	Certification-ready product development (Sigfox, FCC Part 15B, IP67)	Xamarin,Tizen,watchOS			

Project profile – Development services

A range of development projects underway including:

- Platform maintenance, development and monitoring for software businesses
- IoT hardware design and production from concept to production and ongoing support
- Propriety firmware development for IoT devices
- IoT Portal for device end-point communication, data processing, dashboard and detailed reporting
- Big data analytics platform incorporating Machine learning and AI algorithms for anomaly detection, smart alerting, pattern matching and asset management
- Significant corporate projects in near term pipeline

Experienced Board and Management



Adam Gallagher

Director & CEO

Experienced Director, Advisor and Executive of ASX Technology companies. Director of Envirosuite Limited (ASX:EVS).



Kartheek Munigoti

General Manager

Over 15 years experience in IT including 8 years managing software development in wireless cold chain management.



Leath Nicholson

Non-Executive Chairman

Managing Partner of Nicholson Ryan Lawyers. Non-Executive Director of Money3 Corp (ASX:MNY) and AMA Group (ASX:AMA).



Anoosh Manzoori

Non-Executive Director

c.20 years' experience in building successful businesses with a focus on scaling tech companies. Executive Chairman of First Growth Funds (ASX:FGF).

Investor highlights



Commercialised with bluechip clients

Recurring subscription revenues



Multiple high margin revenue streams



Highly scalable business model



Approaching break-even



Experienced board & management



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