SOFTWARE SOLUTIONS

PROVIDING AUSTRALIAN BUSINESSES WITH CRITICAL OPERATIONAL OVERSIGHT

With a team of Australian-based software developers, Mastercom helps businesses solve unique industry challenges, by implementing solutions that enable integration between radio, LTE, IOT, video networks and business systems.

Our team can capably build intelligent systems for our clients to capture and analyse interactions between people, assets and their environments. These systems enable the correlation of large streams of data for dissemination and analysis by different business users.

We are specialists in system integration, with a history of providing data quality and accessibility for network operations and contract compliance.

Mastercom leverages open standards so that any integration we provide can be reused, maintained and repurposed according to business needs.

MASTERCOM
LOUD AND CLEAR

Unmatched system design and implementation capability

Mastercom has an in-house development team with experience in custom integration, data analytics and cloud services. We are able to extract data from proprietary systems and make it available to your whole organisation, including your existing software and data analytics pipelines.

We partner with industry and standards organisations to provide a view into your data, which is accessible to various personnel within a company. This includes – but is not limited to – business analysts, data analysts and operations personnel; via existing software systems as well as the platform itself.

Mastercom's internal data analysts maintain the quality of available data, ensuring it is documented, cleansed, and monitored continuously. We recognise that any integration is only as good as the data that transits over it, so therefore we measure our performance against your organisation's requirements, ensuring that the best possible data is provided.

Building on more than 50 years of experience in radio and industrial systems, Mastercom understands the intimate nature, integration surface and data of business-critical hardware. We leverage this experience to maximise the value of our software integrations and data.

Key Software Solutions

RADAR - DATA STORAGE AND ANALYTICS

RADAR is Mastercom's data warehouse, hosting built-in analytics, dashboards, reports and alerts. RADAR was born from our need to store and analyse data from the Orion Network (one of the largest DMR networks globally) but has grown to suit applications beyond this.

RADAR ingests data from any source, including your business proprietary systems, where API access is available. It then stores this data in an analytics-optimised database of choice and can be either self-hosted or provided as a cloud service.

Mastercom has built numerous modular integrations to ingest data from various sources such as DMR Tier III radio networks, Sierra Wireless modems, Telematics services, people counting sensors, and many others. This set of integrations enables users to gain powerful insights with the unified analysis of data across platforms.

GEMINI - REALTIME DATA PROCESSING SYSTEM

We understand that some business problems can only be effectively addressed in real time, not in a monthly review. To reflect this need, Mastercom has developed a real-time data processing system, Gemini.

Gemini leverages the same data integrations as RADAR but instead makes then available in a real-time 'message queue'. This allows data to be pushed to other systems as events occur, with low latency. Additionally, Mastercom performs stream processing on these queues of data, to enrich and clean data, live.

Gemini was initially developed to meet the needs of our public transport (namely bus) customers, to provide a real time view into their fleet. Implementing Gemini enables visibility of operations to ensure sound proceedings, as well as the ability to verify contract compliance. This is addressed through a live alerting system, as well as through data reporting to required parties.

As real-time data is processing through Gemini, Mastercom can continuously monitor the state of your fleet, providing issue alerts as they occur. This capability was founded upon our rich understanding of the industry's needs – beyond data points – for effective management of your business KPI's.

Mastercom has invested resources into developing an electric vehicle, zero emission bus capability within Gemini, including integrations with key systems to enable you to manage your electric fleet. These integrations include the charge points, buses, and depot power systems. Data from all of these can be monitored in real-time and ingested into your businesses data warehouse.

GEMINI ECOSYSTEM BENEFITS:

- **Greater operational capacity through integrated functionality**

- **Enhanced efficiency and accelerated decision making**

- **Benchmarking and recording KPIs to prove contractual obligation**

- **Tangible, evaluative data to identify issues, successes, opportunities**

- **An investment in services that can demonstrate payback**

READY TO MAXIMISE THE CLARITY, CONTROL AND CAPACITY OF YOUR COMMUNICATIONS? GET IN TOUCH WITH THE TEAM AT MASTERCOM

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