The DAMM® MultiTech Platform
Benefits of a core-connected platform

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CONCEPT PAPER
The DAMM MultiTech Platform - Benefits of a core-connected platform

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DAMM Multi-Tech Platform:
• TETRA
• DMR Tier III
• TEDS
• Analog

Planning and design — Installation and implementation — Third-party software — Daily operations — Expand as you grow

Investigation and research — The purchase decision — Third-party hardware — Training — Maintenance — Repairs

How can DAMM's critical communications platform help your workforce improve efficiency and cover larger areas?

That's easy. In addition to DAMM's well-known portfolio of rugged, cost-efficient base stations running on a decentralized system, we can now also offer you a cutting-edge multi-technology solution. The DAMM MultiTech Platform enables you to use **multiple technologies – TETRA, DMR Tier III, TEDS, Analog** – simultaneously in one box, running up to four carriers and a range of either VHF or UHF frequencies.

With the **core-connected** MultiTech Platform there is no need for gateways and bridges. It is all one seamless experience, even when operating hybrid networks, making compatibility issues when integrating other technologies or apps a thing of the past.

From planning and design to expansion, DAMM keeps on making life easier by eliminating unplanned downtime and **lowering the cost of maintenance, repairs and operations.**

Whether you are:

• running different technologies on different locations
• looking into hybrid usage of two or more technologies on one location
• looking to future-proof your communication system

– this white paper maps out the many ways in which **DAMM can help you save costs and assist you** on your journey to operational excellence.
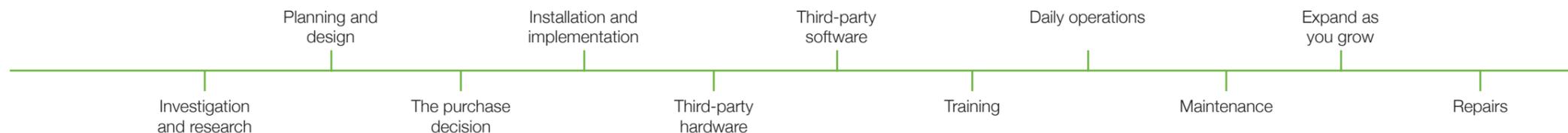
Investigation and research

The investigation and research involved in **purchasing a new radio communication system is a time-consuming task.** Instead of having to look through multiple vendors, each of whom have a number of different technologies that work with a range of different products, you can simply choose DAMM's MultiTech Platform. That way you can **reduce the resources spent during this phase considerably** as our platform covers TETRA, TEDS, DMR and Analog in one solution.

Planning and design

With multiple technologies **core connected** in one platform, planning a network, capacity and coverage and site requirements becomes far less complicated. No matter which technology or combination of technologies you choose to run, you only need to make planning and design decisions for **one single platform**. This also means that you can **seamlessly integrate** one application for all technologies.

The purchase decision

To future-proof your business, you need to consider not only acquisition costs, but also the **total lifecycle costs**. With a multi-technology platform this decision is easy, as you can invest in one system that covers several technologies. On top of that DAMM's products are known to be **cost-efficient** because of the decentralized architecture, rugged outdoor design and easiness of installation and maintenance meaning a **minimum of downtime**.

Installation and implementation

The one-box solution also **reduces the time** spent on installation – one box means **one drawing, less wiring, one connection technology, one set of tools etc.** Once installed, implementing and running the system is equally economical as all technologies are controlled through **one network management tool**. Last but not least, employees only need to know how to control one system, even if you are running up to four different technologies.

Third-party hardware

Changing radio communication systems most often involves changing terminals too. Not so with DAMM, whose solutions let you choose any vendor you like and **never locks you into single-vendor contracts**. This reduces your expenses, as you can choose the most cost-efficient solution to suit your needs.

Third-party software

Unlike other critical communications networks we do not restrict access to applications from other vendors. We make it easy to develop apps yourselves or **fully integrate third-party software** into the DAMM MultiTech Platform using **one single, simple open interface**. Third-party software only needs to be integrated once.

Training

You know how it is: A new tool or system has been introduced, and you need to send all of your staff on yet another time-consuming training course. Not so with DAMM. **Once your staff have been trained in the system once, that's it** – whether you're running TETRA, DMR, TEDS or Analog, the system works the same. Another big virtue of the DAMM MultiTech Platform is its **extreme simplicity**. It's as easy to use as it is to deploy.

Daily operations

Operational efficiency runs like a thread through all of DAMM's products, with the extremely **low power consumption** of our base stations being one of our trademarks.

With the MultiTech Platform we are now bringing operational efficiency to a new level. In a hybrid network you have access to **all data in one system** regardless of technologies – from alarm monitoring and tracking to network planning and surveillance. DAMM's Voice and Data Log System tracks, replays and saves incident reports, and you get the **traceability** you need with full data availability and uniform time stamps. And with DAMM TetraFlex® PTT for smart devices you can even **extend coverage** for all technologies and **use DMR, Analog or TETRA over LTE or WiFi**.

Maintenance

Maintenance can be expensive when you're running different systems as you need to have experts on board for all systems. However, with a multi-technology one-box solution you only need **one common subscriber register, one software and one interface**. Together with the cost-efficient features known from DAMM's other base stations – full redundancy, rugged outdoor design and easy maintenance – this makes DAMM's MultiTech Platform an **extremely competitive solution**.

Expand as you grow

DAMM MultiTech frees you to scale up, scale down and move around – at the speed you need. There is no need for centralized components. You can easily integrate any technology without gateways or bridges – in fact this can be done with a **simple click of the mouse**. Base stations can be rapidly deployed or moved, and **extra carriers and base stations can easily be added**.

Repairs

Not only can you save on installation, training and operation – repairs have also been optimized. You only need to **stock spare parts, antennas, cables and connectors for one system**, and employees only need to know how to repair one system too. Together with the reliable performance known from DAMM products, this makes repairs yet another cost-efficient factor.

You're in control with DAMM

You want complete control of your critical communications platform – on your terms, your schedule and managed by your employees. And you want a **cost-efficient solution** that is **fast, easy and scalable** with reliable logging and tracing capabilities.

One platform delivers it all. **Step up to DAMM MultiTech**, the world's most advanced critical radio communications network.

Critical Communication System

CAPEX + OPEX = TCO

DAMM   OTHERS   DAMM   OTHERS   DAMM   OTHERS
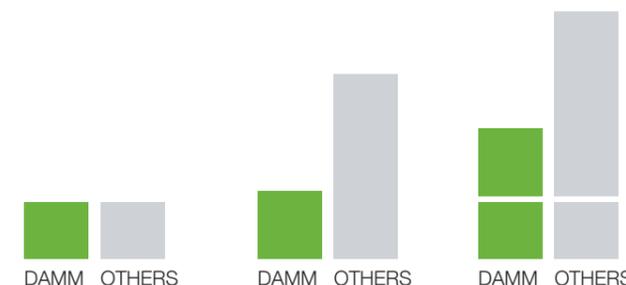
DAMM mission-critical solutions are field-proven to achieve low total cost of ownership via scalable CAPEX and lifetime OPEX savings

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Critical communication made easy