

KEEPING PRODUCTION MOVING WITH INTEGRATED PLANT COMMUNICATIONS

SHORTER LEAD TIMES AND HIGHER EXPECTATIONS

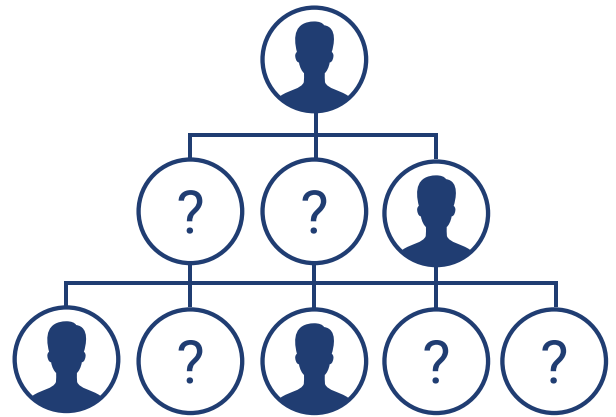
Manufacturers are feeling the pressure to hit their production targets in a highly competitive global market. To maintain their edge and maximise their profits, they've made operational efficiency a top priority. Yet up to 20 percent of profits are being lost to unplanned downtime. Adding in the nearly 500,000 shortage in Engineers in Europe by 2025, it's even tougher to ensure peak efficiency and productivity. In today's aggressive marketplace, there's no room for continual delays and costly disruptions to production.

Whether they're managing a single food processing facility or a string of multinational automotive plants, manufacturers are looking for new ways to improve performance, increase safety, optimise resources and run their operations smoothly.



UP TO 20%

PRODUCTION LOST TO
DOWNTIME



UP TO 500,000

SHORTAGE IN ENGINEERS IN
EUROPEAN MANUFACTURING
BY 2025



70% OF MANUFACTURERS

REPORT AN INCREASE IN OVERTIME COSTS DUE TO SKILLS SHORTAGE

DOWNTIME IS AN EVER- PRESENT AND EXPENSIVE THREAT

Manufacturers know that downtime is detrimental to plant performance. A stalled production line upsets workflow and can jeopardise customer relationships. Equipment failures - from malfunctions to aging machines - cause expensive disruptions. The longer it takes plant personnel to respond and repair equipment, the more damaging the interruption. This can create a domino effect that results in missed deadlines, lost revenues and disappointed customers.

When downtime occurs, any communication delays are costly. If workers don't have access to vital real-time information or only find it at a fixed station, downtime will be prolonged. If they must rely on personnel to handle a situation or are stretched too thin, their ability to react quickly and make informed decisions is compromised.

Unplanned downtime creates higher safety risks and the potential for worker injury. real-time communication helps mitigate those risks. Devices such as two-way radios have been effectively used in plants for years to coordinate response and improve safety.

ACCELERATING THE RIGHT INFORMATION TO THE RIGHT WORKER

While the threat of downtime is ever-present, manufacturers can prevent it from happening by being proactive. By giving employees the information they need where and when they need it, management can act in real time. This is particularly important as customer, regulatory and operational demands intensify.

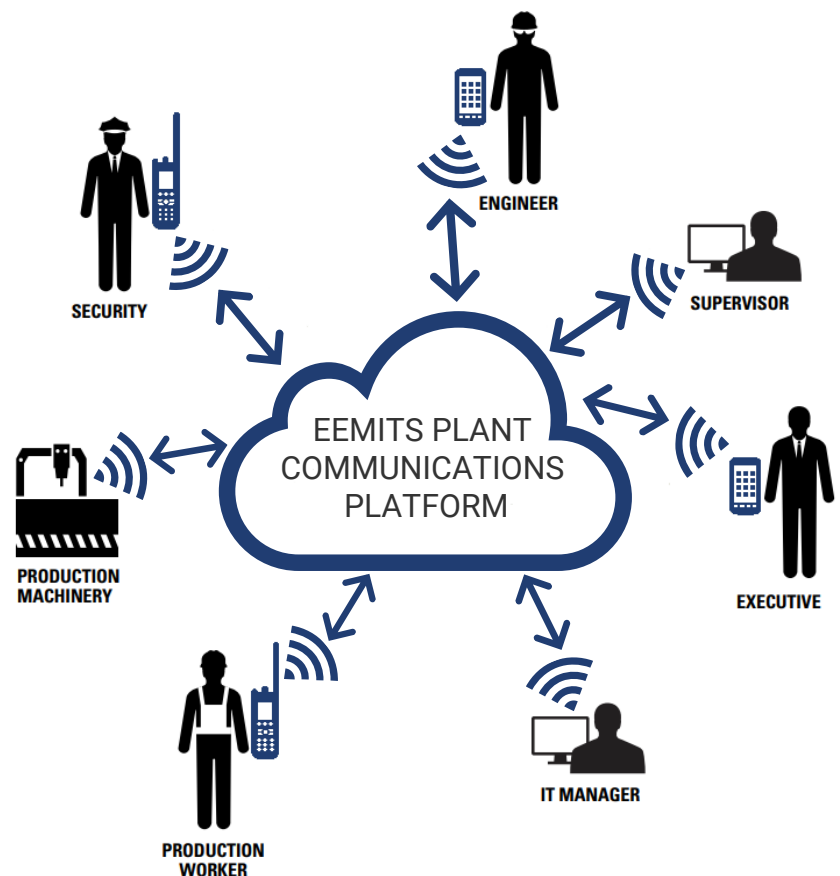
Traditional plant communication systems such as overhead paging, no longer meet the needs of manufacturers. Rather than relaying the right information to the right team, they blast out the same message to everyone. Two-way radios, which provide targeted on-to-many communication, are used by virtually department in manufacturing: from technicians to drivers; supervisors to security; even connecting personnel outside the plant using other devices.

Radios integrate voice and data to link people to each other, people to machines, machines to people, and machines to machines. Plant management can efficiently and affordably connect everyone, anywhere they go - even if a smartphone or tablet is their main communications device.

ALMOST 50% OF MANUFACTURERS SAY DIGITAL RADIOS REDUCE DOWNTIME BY 10 TO 20%

INSTANT GROUP COMMUNICATIONS

Virtually everyone - from the smallest workshop to the largest manufacturing plant - can benefit from Push-To-Talk (PTT) technology across their entire operation. TRBOCALL delivers instant communications to connect and empower your workforce. And now the WAVE Work Group Communications solution allows you to interconnect radios with other devices - like consumer grade smartphones, land lines, tablets and PC's. More employees can connect, communicate, and collaborate.



OVER 75% OF MANUFACTURERS WANT TO CONNECT WORKERS ANYWHERE
OVER 90% OF MANUFACTURERS WANT TO CONNECT RADIOS TO SMARTPHONES
OVER 50% OF MANUFACTURERS WANT TO CONNECT RADIOS TO LAPTOPS AND TABLETS

IMPROVING PRODUCTIVITY WITH SEAMLESS COLLABORATION

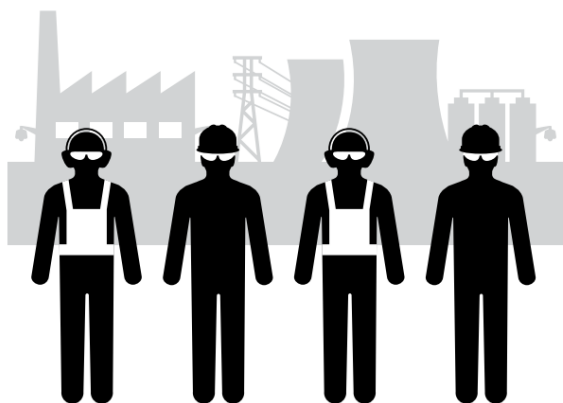
There's virtually no area of a plant where using two-way radios doesn't improve throughput and productivity: enhancing employees' ability to collaborate and act on real-time information. Digital technology delivers better coverage and clearer voice - essential for noisy environments with internal barriers and obstructions.

Because digital radios offer greater capacity and advanced applications, manufacturers can connect more workers across an expansive footprint and link those in multiple sites. Solutions for alarms and alerts with Programmable Logic Controllers (PLCs) and integration with other devices and networks provide an even wider array of communication options.

Radios improve plant collaboration so production problems can be resolved quickly and operations streamlined for maximum workflow and revenue. Manufacturers in the 2015 Motorola Manufacturing Survey say two-way radios are of greatest value for increasing collaboration. Accelerating problem resolution and improving worker safety round out the top three benefits of radios by almost 60 percent of respondents.

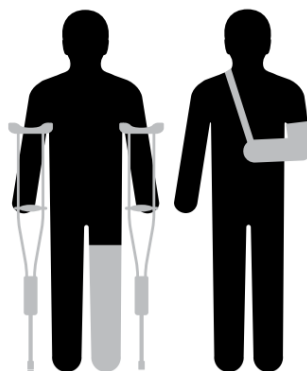
INCREASING SAFETY THROUGHOUT THE PLANT

220 million workers employed in the EU in 2018. In the United Kingdom alone there were an estimated 518,000 non-fatal injuries and an estimated 581,000 self-reported injuries in the same year. Digital radio communications can help keep them connected and safer. Innovative text-to-speech features allow workers to receive text messages while keeping their eyes on the task. Man down applications send an automatic emergency alert if an individual falls or is inactive for a certain period of time. WAVE Work Group Communications software enables workers to use their radio to talk directly with the safety team and local emergency responders on their radios, smartphones or PC's.



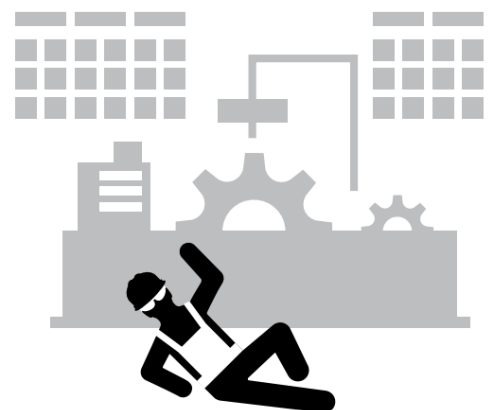
32 MILLION⁵

EMPLOYED IN MANUFACTURING ACROSS
THE EU-28 IN 2013



ABOUT **14,000⁶**

REPORTED NON-FATAL INJURIES IN
MANUFACTURING IN GREAT
BRITAIN, 2014



1.1 MILLION⁶
WORKING DAYS LOST TO INJURY

ACHIEVING GREATER GAINS WITH INTEGRATED COMMUNICATIONS

Developing and deploying an integrated plant communications platform delivers significant benefits to manufacturers, including:

Cutting capital and operating costs by reducing the number of networks and devices

Optimising employee communication by providing the right device for the right user

Increasing employee productivity through real-time access and where it's needed

Enhancing employee safety by increasing communication capabilities and mitigating risk

Improving plant productivity by streamlining voice and data communications and accelerating information

Making better decisions based on real-time information to respond to changing conditions

Decreasing up-front equipment costs because each employee only needs one device, but can communicate with everyone on different devices

Protecting existing investments in technology while enabling cost-effective extensions for mobile voice and data

Enhancing data security by increasing control over information between devices/workers and disabling or wiping clean missing devices

Reducing strain on IT resources to deploy, manage and maintain multiple networks and systems. Devices can be provisioned, deployed, updated and more without dropping them off for IT support.

WHEN EVERYONE CONNECTS, PRODUCTION KEEPS MOVING

Manufacturers are discovering that when they integrate plant communications, they resolve equipment issues and reduce unplanned downtime faster. Not only is equipment running at full speed, but employees are communicating and collaborating more efficiently. Despite disruptions that occur, they are making huge strides in meeting targets, decreasing costs and exceeding customer expectations - all while protecting their safety and enhancing productivity.

We work closely with manufacturers to enhance safety, minimise downtime and differentiate themselves from competitors. Our integral digital communications solutions are designed for the heavy-duty, high decibel plant and supported by an expert partner network. When manufacturers connect with Eemits, production keeps moving.



SOURCES

1. Costs of Manufacturing in the Manufacturing Industry, eMaint Enterprises, December 2014
2. Alarm over skills shortage in Europe, May 2013.ft.com
3. Skills Shortage Threatens Earnings and Growth of U.S. Manufacturers, May 2014, Manufacturing.net
4. 2015 Study: Innovations in Plant Communications, Motorola Solutions
5. EU Skills Panorama 2014: Focus on Advanced Manufacturing, May 2014, European Commission
6. Health and Safety in Manufacturing in Great Britain, 2014
7. Health and Safety Statistics for Great Britain 2018/19, August 2020, peoplesafe.co.uk

CONTACT US FOR MORE INFORMATION

Eemits Communications Ltd.
Brignell Road
Riverside Park
Middlesbrough
TS2 1PS