



T-Card systems v Electronic Mustering

T-CARD Pro's:

- Low Cost

T-CARD Con's:

- Time consuming and No flexibility
- Unable to deal with people from another muster point
- Potential for Names to be recorded incorrectly
- Stressful to manage in an emergency
- High potential for introduction of errors directly impacting safety
- Information transmitted manually Requires radio communication which may block airwaves

Electronic Mustering Pro's:

- Very Fast Personnel mustering & evacuation
- 100% accurate with added Flexibility to deal with personnel from any muster point & Missing personnel identified quickly
- Stress free & Very easy to use
- No radio communication required
- Automatic output of POB lists and manifests
- Information is shared onshore/offshore emergency teams

Electronic Mustering Con's:

- Higher Cost

A combination of remote locations, complex equipment and the production of highly explosive resources makes offshore oil and gas platforms some of the world's most hazardous work environments and as such the importance of rigorous safety standards has never been more strongly emphasised by industry and regulators. In the last few years, electronic safety systems have moved from a nice to have to an absolute must. Electronic mustering systems have proven its advantages over traditional paper-based safety regimes. Electronic systems provide the ability to track the location of on-board personnel and can significantly reduce mustering & evacuation times during emergencies.

T-Card Systems - The classical approach that has been adopted in the offshore environment has been to bring personnel to a designated muster point, and then manually correlate who has arrived against a checklist or a T-card board, this manual checking and cross checking process has to be done quickly and efficiently. In the North Sea, for example, there is a requirement to be able to get everyone safely mustered within 20 minutes, whilst this can be achieved, it can still be a challenge even in ideal conditions with traditional manual based solutions and carries a high degree of potential for inaccuracy. In an emergency scenario however things invariably don't work as well as in a controlled muster drill. Under real stress, people behave differently and the potential for inaccuracy and even complete breakdown of the paper based system is a huge risk.

Electronic mustering - Electronic mustering systems can significantly improve on conventional paper-based systems by getting personnel accurately mustered and to safety more rapidly. Personnel are registered at the internal or outside mustering, transit and lifeboat points by scanning cards or contactless active RFID methods, that data is transmitted over a network to a database which process and outputs the information in real-time. This data can be used by multiple parties and applications to provide reports and graphical displays of the POB status.

Added Value of electronic mustering

As a bi-product of this there is also a sound business case for such systems as they are proven to reduce muster times by over 70% that in turn reduces offshore downtime both in regular weekly routine musters and in alerts.