



EMESRT MEMBERS

EMESRT member company representatives actively promote the EMESRT engagement process at industry forums to a wide audience around the globe and have introduced resource materials developed by EMESRT to help understand the risks faced by operators and maintainers of earth moving equipment.



“EMESRT is not defined by member numbers, it is defined by the engaged experience and knowledge people bring to the table.”

EMESRT Advisory Group.

CONTACT EMESRT

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THE PROVEN PROCESS

THE PROCESS

For each EMESRT initiative, the involvement of key industry stakeholders is actively sought. EMESRT's mature engagement process, experience and flexible approach guides the work. The success of EMESRT is based on good relationships and a pragmatic industry-level approach that:

- Defines the landscape
- Identifies the stakeholders
- Influences industry level improvements

Simple, yet successful.

INTRODUCTION

EMESRT is a global initiative involving major mining companies that engages with Original Equipment Manufacturers to advance design in ways that improve operations and maintenance safety. EMESRT promotes a 'beyond standards and guidelines' mindset.

Established in 2006, EMESRT initiatives are globally recognised, from the Design Philosophies developed in 2007 to the Control Framework (CFw) Approach developed in 2019.

EMESRT maintains a narrow focus, prioritising and working on only a few industry-level high consequence opportunities each year to make genuine progress.

This approach underpinned by engagement with industry stakeholders are the basis of the proven EMESRT process.

ABOUT EMESRT

Established in 2006, the Earth Moving Equipment Safety Round Table (EMESRT) is a global 'safety by design' initiative by mining companies to fill the gap between earth moving equipment users and designers.

EMESRT connects an international community of end users, equipment manufacturers, researchers and third-party suppliers.

EMESRT works with key mining industry equipment manufacturers to improve equipment design and safety. It focuses on ways to reduce health and safety risks from operating and maintaining mining equipment, sets industry-level goals and coordinates their delivery.

EMESRT presents a common industry voice, focused on reducing risks from operating and maintaining mobile earth moving equipment. It focuses on specific projects to foster candid dialogue, encourage transparent collaboration, share non-commercial information and encourage stakeholder engagement.

VISION

A mining industry free of fatalities, injuries and occupational illnesses associated with operating and maintaining earth moving equipment.

PURPOSE

Accelerate development and adoption of leading practice design to minimise the risk to health and safety through a process of engagement with original equipment manufacturers, contractors and users.

EMESRTs ENGAGEMENT PROCESS

The EMESRT engagement process is simple yet effective. This process has been developed since 2006 and after an initial trust building period, EMESRT has established a global, respected presence.

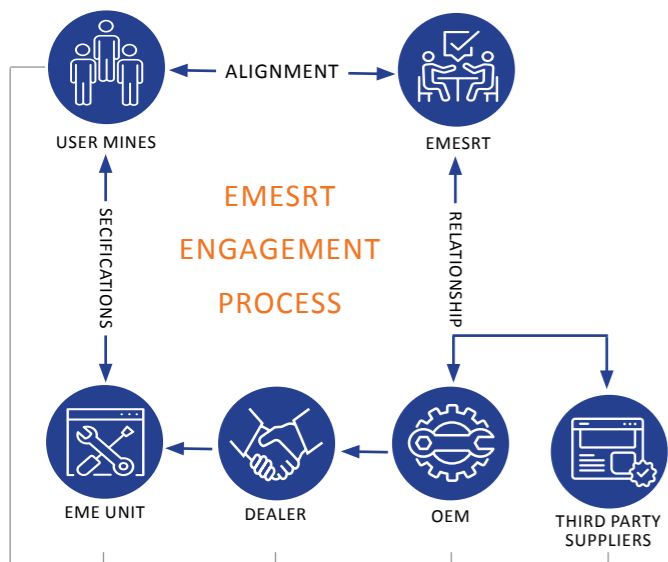


Figure 1: The EMESRT engagement process.



WHAT WE WILL AND WON'T DO

In scope, EMESRT will:

- Focus on design of earth moving equipment in surface and underground mines
- Provide aligned design expectations based on risk
- Involve interested companies in the industry
- Share openly with all interested OEMs
- Listen, consider and value OEM contribution
- Provide information on leading practice to OEMs
- Share leading practice to assist users in achieving health, safety and environmental compliance goals

Out of scope, EMESRT will not:

- Discuss commercial issues or anything of an antitrust nature
- Provide approval for OEM or third-party design
- Share OEM confidential information with other OEMs
- Impose adoption of solutions on member company sites

WHY BECOME A MEMBER?

By becoming a member you can make a difference in accelerating the development and adoption of leading practice designs to minimise the risk to health and safety through industry engagement.

EMESRT has a two tier membership structure:

- Tier 1 - A voice at the Advisory Group table
- Tier 2 - Access to all EMESRT resources and involvement in all technical activities/working groups

Become a member and be a part of a unique global network leveraging and influencing at industry scale.

For more information on EMESRT membership please send an email to enquiries@emesrt.org.

EMESRTs CURRENT WORK

For each EMESRT initiative, the involvement of key industry stakeholders is actively sought. EMESRTs mature engagement process, experience and flexible approach guide the required work. EMESRTs ongoing success and influence is based on good relationships and a pragmatic industry-level approach.

Project 1: Vehicle Interaction Control Improvement Project

An industry project to develop and implement an innovation resource and methodology for the systematic and practical improvement of vehicle interaction controls in mining.

This project is an extension of the work done in developing the EMESRT Design Philosophy 5 - Machine operation and control published in 2007.

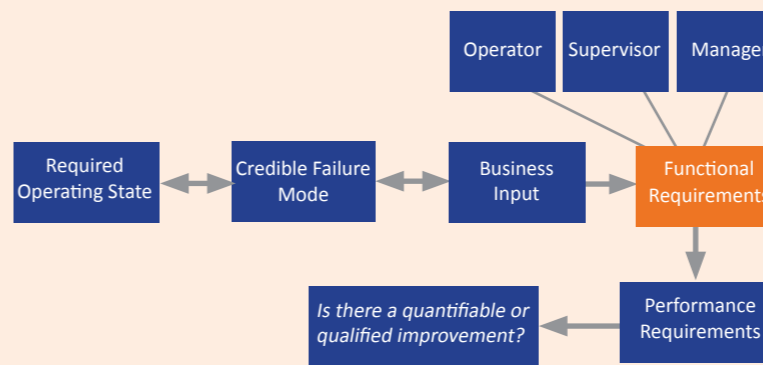


Figure 2: CFW link to functional performance requirements diagram.

Project 2: Tyre and Rim Management

An industry project to provide wheel assembly components designers, mining operators and users with structured information that enables the prevention tyre and rim events.

This project is an extension of the work done in developing the EMESRT Design Philosophy 2 - Tyres and Rims published in 2007.

Project 3: Mobile Equipment Fire Management

An industry project to provide mobile equipment designers and users with structured information that enables the prevention of mobile equipment fires and the mitigation of consequences of fire events.

This project is an extension of the work done in developing the EMESRT Design Philosophy 4 - Fire published in 2007.

Project 4: Human Factors Design Diversity

An industry project to define design requirements that support employee diversity in mining plant operation and maintenance.

Improving earth moving equipment design can remove significant anthropometric impediments for establishing a more diverse mining workforce. These same design improvements can reduce the possibility of cumulative injuries for current operators and maintainers.

The EMESRT Control Framework Approach

The Control Framework (CFw) approach is an approach that is aligned with Failure Modes and Effects Analysis, Human Factors and definition elements of the International Council on Mining and Metals Critical Control Methodology.

Applying the CFw approach produces a cross-linked hierarchical structure made up of:

- The few Required Operating States (ROS) that deliver business outcomes
- The Credible Failure Modes that can compromise the Required Operating States and interrupt the delivery of business outcomes
- The Business Inputs that support the establishment and maintenance of the required operating states through preventing or mitigating the credible failure modes

“The Control Framework approach has been developed by EMESRT as a practical way to apply new control thinking.”

EMESRT Advisory Group.

For more information on previous and current EMESRT initiatives please visit the EMESRT website (emesrt.org).