Multi-disciplinary Technical Expert Project Meeting: Industry Alignment on TMM Regulations Implementation

RTIMS-MC (2022-23) PROJECT (WP 1.5) FEEDBACK

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SCOPE WP1.5 FEEDBACK



1.Project progress reporting

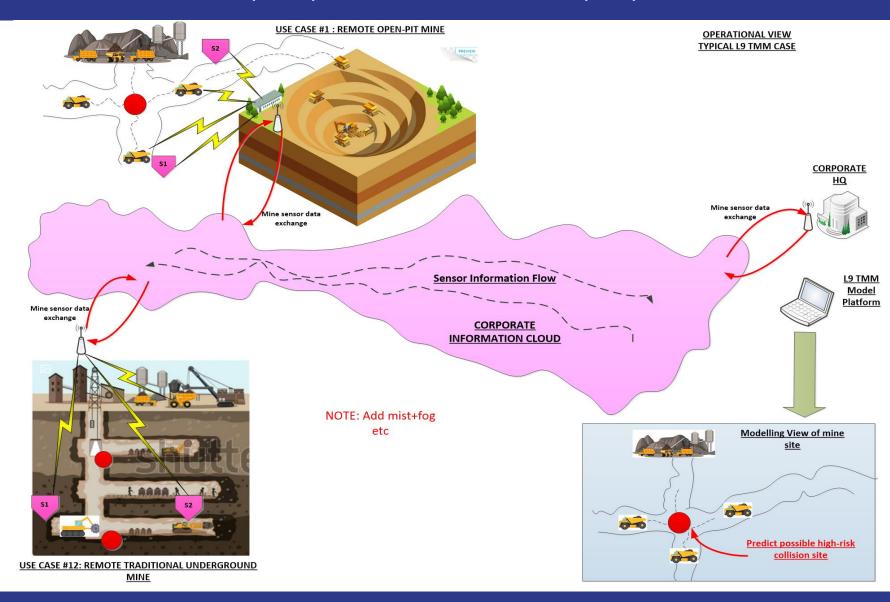
2.Architectural solution concept(s)

Objective of the project: The aim of this RTIMS WP1.5(2) research project shall be to define the integrated system data-stack for the RTIMS, TMM intervention research project (Phase 2)



OPERATIONAL VIEW (OV):TMM LEVEL 9 (L9) USE CASE

 The focus is to define the information flow requirements to implement a scenario where the L9 model platform can receive real-world data as it is generated at a mining operation site.





ARCHITECTURAL CONCEPT: L9 TMM

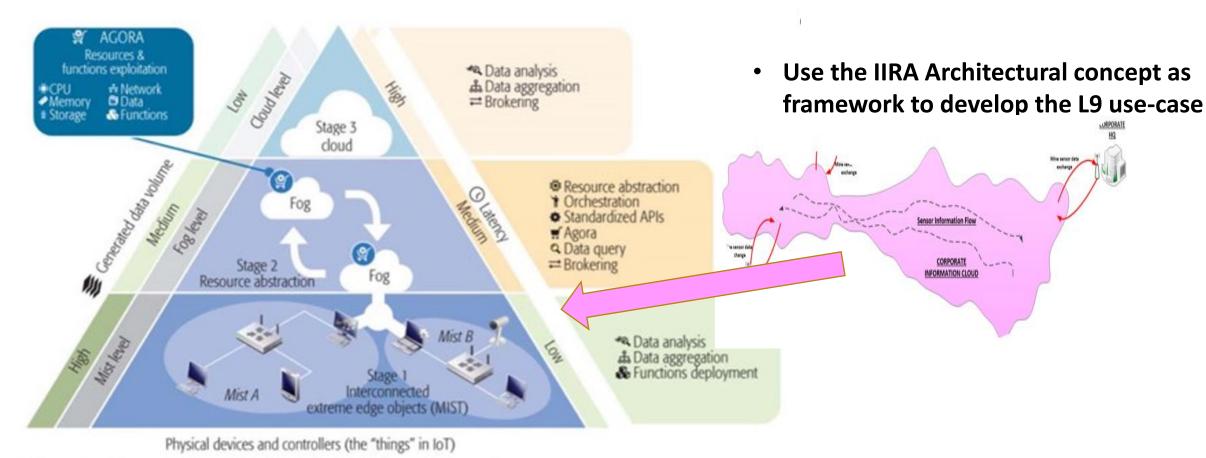
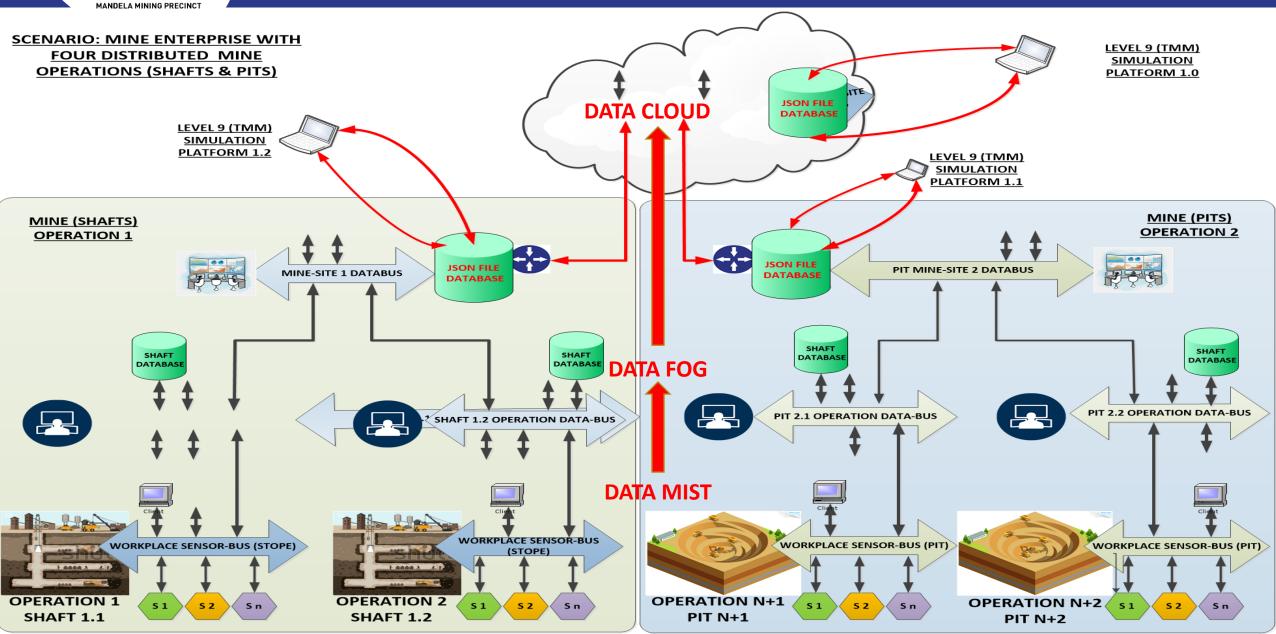


Figure. 1. Hierarchical architecture based on mist, fog, and cloud levels. http://www.zeitgeistlab.ca/doc/context_and_self_awareness_in_fog_and_mist_computing.html

(Source: IIRA and zeitgeislab)



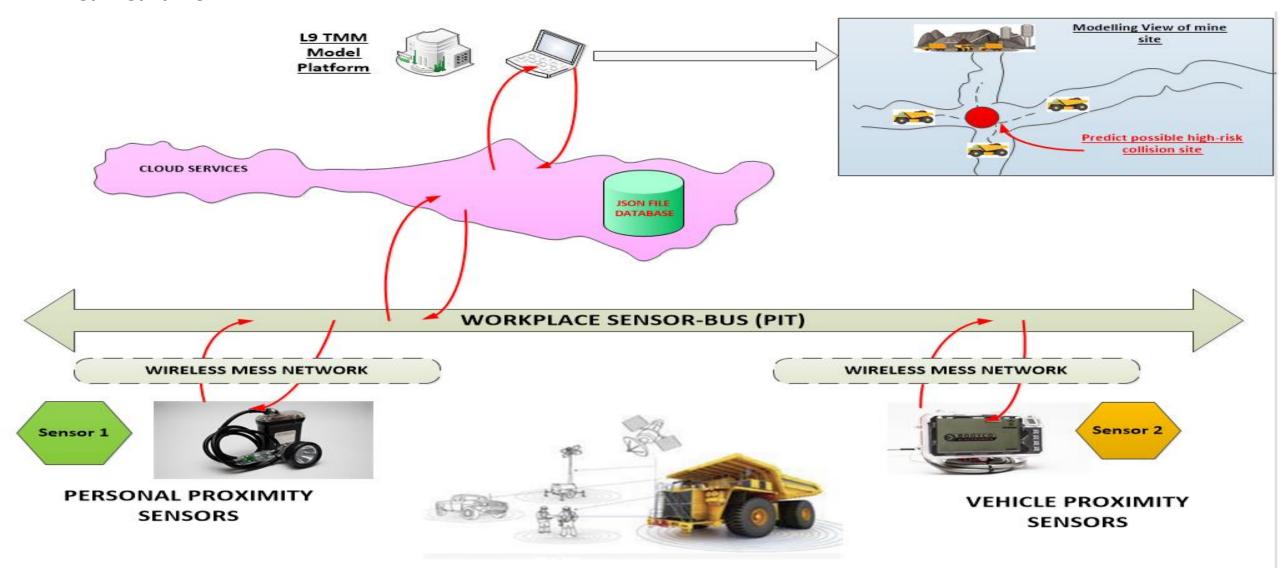
USE-CASE CONCEPT ARCHITECTURE: TMM L9





TYPICAL REAL-WORLD SCENARIO

 Typical test scenario is envisioned with the L9 TMM modeling platform receiving real-world data from a mining operation in near-real time





THANK YOU

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