

Caterpillar Cat MineStar Autonomous Mining

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MineStar Reality

Caterpillar Cat MineStar operates autonomous-haulage and autonomous-drilling deployments across major mining customers globally with substantial deployment scale (hundreds of autonomous trucks across global mines).

Architectural Fit

Stage-gated commitment maps to autonomous-haulage decision decomposition; reversibility classification supports mining-incident analysis; composite admissibility supports multi-authority mining operations (operator, mine, regulatory).

Caterpillar Position

Caterpillar gains architectural substrate aligned with emerging mining-autonomy regulation.