

VIRTUAL SURFACE MINING SIMULATOR

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This facility, the only one of its kind in a university environment, contains physical Dragline and Shovel-Truck Simulators supplied by Immersive Technologies and a Shovel Simulator from Joy Global Inc. within a state-of-the-art technological environment for research and education. These simulators provide virtual environments for simulating heavy machinery in surface mining environments, advanced education and training of heavy mining machinery operators, risks and hazards control and mitigation, planning and deployment of heavy equipment in rugged terrains, and tracking and improving key performance indicators (KPIs).