

# Major Technologies & Products Developed



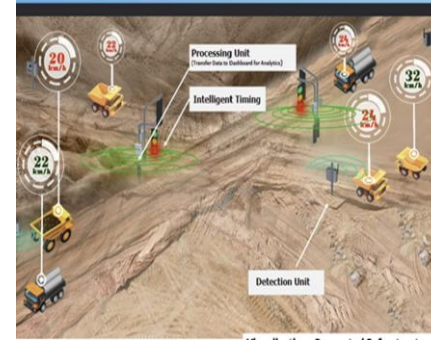
Smart Traffic Management System for Safety and Congestion-Cut Using AI



Heavy-duty 500t SAGES with a remote radio-controlled and digital display system



Virtual Reality Mine Simulator (VRMS) for Improving Safety and Productivity in Coal Mines



AI-based Smart Traffic Management and collision avoidance system in mines



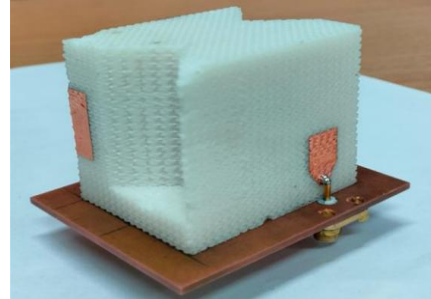
Advanced AI-powered air quality monitoring system



1-3 Layer graphene (>99.3%) from any carbon source



Ceramic Antenna Array with Load modulator for Modern Communication Applications



Multiband Ceramic Antenna for Navigation and Positioning



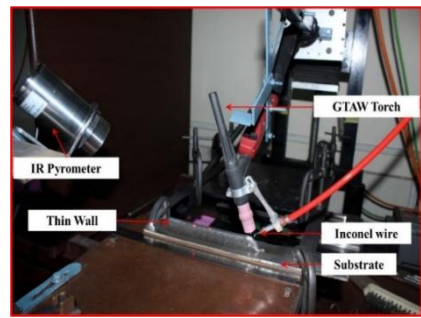
High Power Handling Dielectric Resonator Antenna



Hybrid micro machining technology using  $\mu$ -ECM and  $\mu$ -EDM processes



Equipment for cutting of Composite Hardware (used canister)



Direct energy deposition facility



AI based traffic Management System



Hybrid charging system for e- vehicles



Rapid Organic Waste Stabilizer

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3D Hologram Data Visualization



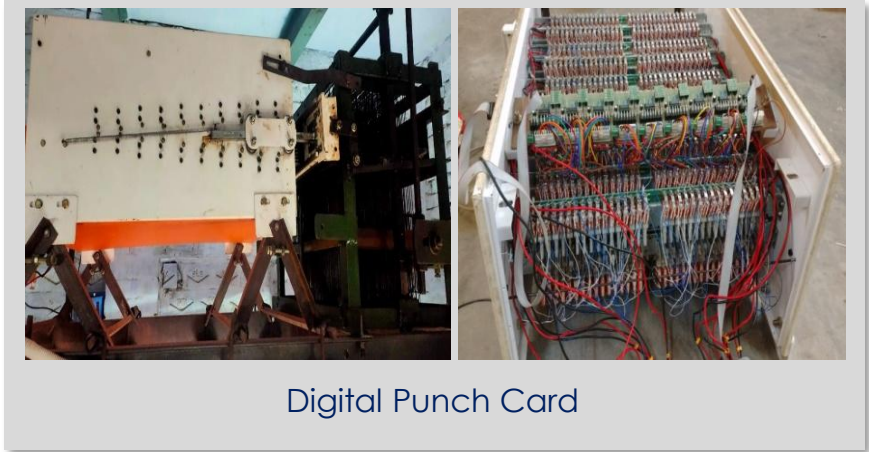
IoT based smart Signaling System



Smart Helmet for Mine Safety



Micromachining Centre



Digital Punch Card



AI-enabled solar-based street lighting system