



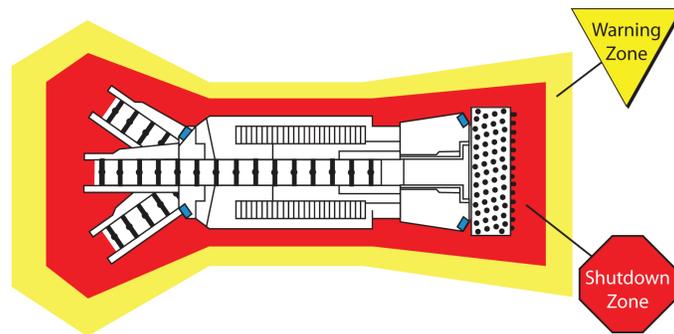
Matrix Design Group began development of its Matrix M3-1000 proximity detection system in 2005 and partnered with Joy Mining Machinery in the fall of 2009. M3-1000 is designed for the high-accuracy needs of continuous miners and its advanced SharpZone™ technology allows for precise (X,Y coordinate) location of personnel around machinery, necessary for efficient use. Joy has licensed the technology from Matrix and markets the product as SMARTZONE™. Matrix received MSHA IS approval and began deployment of production systems in 2009. Below is the history of production installations.

2009 – 2011 Installations

- 50 Systems on CM's operating in production use
- 6 Companies, 19 individual mines, 6 States (IL, IN, KY, MD, VA, WV)

Current (Q1-2013) Installations

- 130+ Systems CM's operating in production use (including SMARTZONE)
- 10+ customers, 30+ individual mines, 9 states (AL, CO, IL, IN, KY, PA, VA, WV, WY)



IntelliZone
PROXIMITY DETECTION

Matrix is currently finalizing IntelliZone™, its next generation proximity detection system. IntelliZone is designed for all mobile machinery and like M3-1000, features SharpZone™ technology and high accuracy. IntelliZone also has longer range and dynamic zones, which allow for automatic expansion and contraction of zones based on inputs like speed and direction. SharpZone technology allows for zones that extend in length, without extending in width. This system will be sold and serviced by Matrix as 'IntelliZone' and by Joy as 'SMARTZONE'.

Matrix Design Group Website: <http://www.MatrixTeam.com/products/proximity-detection.htm>

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