

IART 042

Real-time Tracking and Monitoring of Pre-cast Concrete Pieces during production, erection and maintenance phases in support of Lean Supply-Chain Management

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Abstract

The project is expected to result in a prototypical automated data collection system capable of providing real time data describing the location of pre-engineered construction components throughout their life-cycles. Providing such data is expected to enable producers and erectors to eliminate the waste that currently exists due to inadequately informed production and erection planning. This waste includes a large portion of the cost associated with storing inventory for extended periods.