The URS Material Logistics Solutions (MLS) group led by Reg Hunter has established a track record for quickly identifying the compelling operational needs of the URS Construction business enterprise. He uses this understanding, to select and optimize the appropriate technologies, such as Radio Frequency Identification (RFID) and provide a fully integrated system solution that enables construction to achieve next generation levels of performance.

Over the past five years Reg has been developing and deploying various process and material management solutions such as MLS-Construction. MLS-Construction is pragmatic system level approach to management and control of construction materials and assets in the capital projects industry. This highly configurable system includes a cost managed hierarchal approach to using technologies while at the same time, effectively recognizing and accommodating variability that always takes place at construction sites. MLS-Construction is being used by URS Washington Division to increase construction site material visibility, operating efficiency and loss avoidance.
**MLS-Construction Flow (Example)**

- **Materials Arrive At Site**
  - Materials Are Bar-coded Or RFID Tagged
  - Advanced Shipment Notice (ASN) And/Or Other Shipping Information Provided

- **Suppliers**

- **Materials Issued From Laydown Area**
  - Site/Construction Manager Requests Materials Be Issued From Laydown Yard
  - MLS Database Updated To Issue Material
  - Requests Are Downloaded To Laydown Area Managers
  - Manager Selects & Assigns Material To Be Moved
  - Manager Loads Move Lists Into Handheld Devices
  - Operator Follows Distance And Direction Provided By The Handheld To Recover Material

- **Materials Arrive At Build Sites**
  - Barcode Labels & RFID Tags Used To Confirm Arrivals At Build Site
  - RFID Tags Recovered At Point-Of-Use And Recycled

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**MLS- Construction Configuration**

- **Intranet Reporting & Queries (Option)**
- **Wi-Fi (Or Docking)**
- **MLS SQL Database**
- **Transaction Devices & Monitoring Tools**
  - **Tablet PCs**
  - **Handhelds**
  - **RFID Readers**
    - **Direction (Gate)**
    - **Proximity**

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**MATERIALS LOGISTICS SYSTEM**

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