Leveraging Embedded-to-Cloud Framework for Retail Environments

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"Pain-Points" in Retail

How Big Are Big-Box Stores?

Stores today carry 15000-60000 products

Labor Intensive & Inefficient Retail Operations

Inventory Distortion Issues

Out-of-stock
Misplaced

Planogram Compliance

AndyStores – Cloud-Driven Immersive Retail Environments

AndyVision: The Future of Retail

Embedded Computing

- Planogram
  - Product Identification
  - Out-of-stock detection
- Navigation
  - Localization
  - Mapping
  - Behaviors
  - Contextual Motion

Cloud Computing

- Processing
  - Vision
  - Navigation
  - Collaboration
  - Communication

- Database
  - SKU
  - Details
  - Images
  - CV Features
  - Models

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