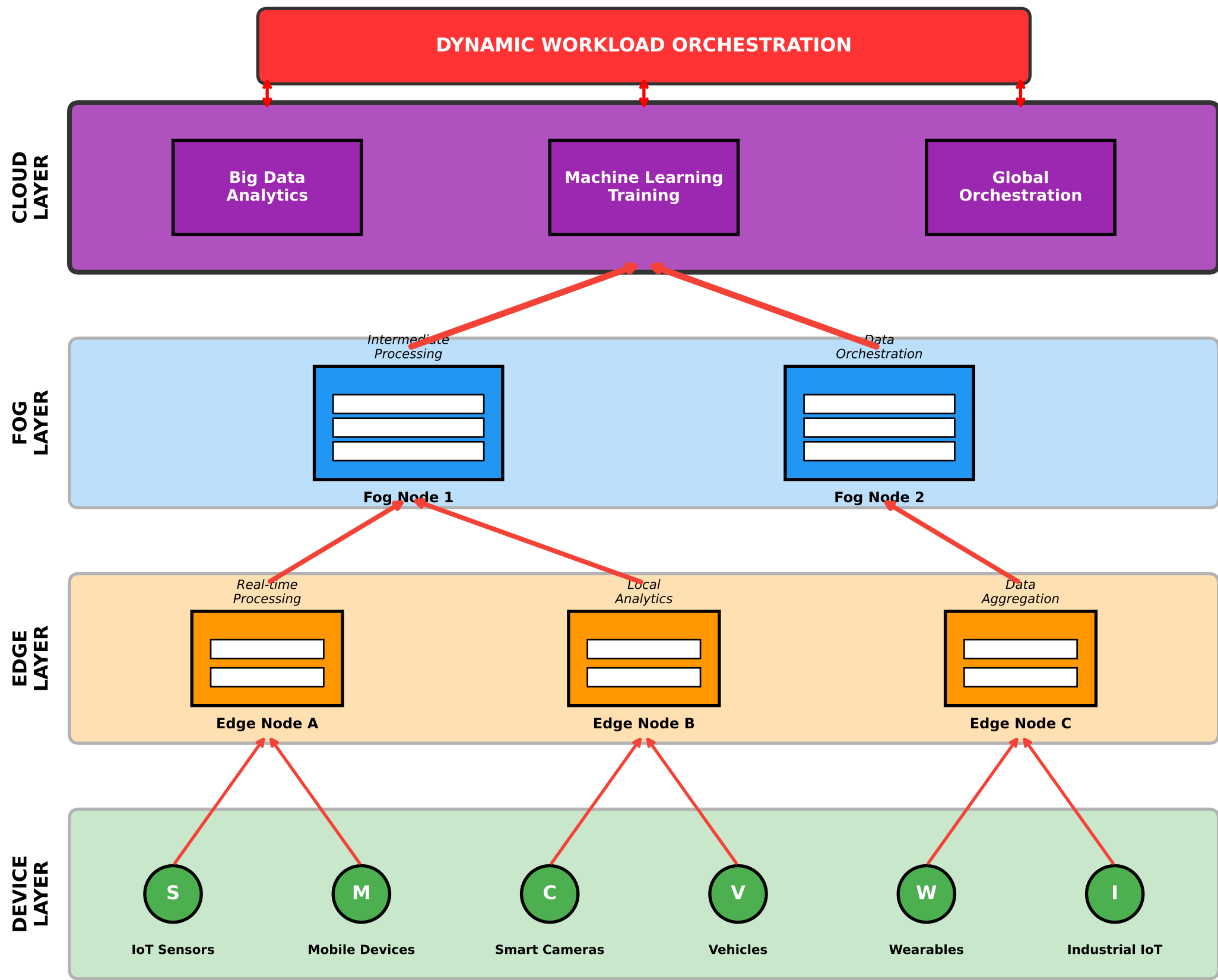


Hybrid Cloud-Edge Architecture: Multi-Tier Distributed Computing



- WORKLOAD DISTRIBUTION**
- DEVICE LAYER:**
 - Data Collection
 - Basic Filtering
 - Immediate Response
 - EDGE LAYER:**
 - Real-time Processing
 - Local Decision Making
 - Sensor Fusion
 - FOG LAYER:**
 - Intermediate Analytics
 - Data Aggregation
 - Regional Coordination
 - CLOUD LAYER:**
 - Complex Analytics
 - ML Model Training
 - Global Optimization
 - Long-term Storage

LATENCY & PROCESSING
Device: <1ms, Low Power
Edge: 1-10ms, Moderate
Fog: 10-100ms, High
Cloud: 100ms+, Unlimited