Kognitive Project Update

Milipol TechX 2026 — Cognitive Robotics Demo

Week of February 10, 2026

Sprint 1: COMPLETE — Sprint 2: IN PROGRESS

Dashboard UI

Camera Stream Dashboard

- Multi-camera monitoring system with live streaming
- Real-time metrics: bandwidth, latency, FPS

KLASS Cognitive Robot ● IDLE

To exit full screen, press and hold `Esc`

FR

Video Feed

Awaiting video stream...

VLM: Waiting for video input...

LIVE TRANSCRIPT

ROBOT REASONING

No messages yet. Start a conversation...

No reasoning data available yet...

Face Recognition Data Collection

Video Data Collection System

- Multi-camera video streaming for training data
- Face detection and recognition pipeline

Sprint 2 Priorities

Feb 13 - Feb 26: Speech Loop Works

- End-to-end conversation flow
- State machine implementation
- DAG planning with LLM integration
- KlassUI Dashboard scaffold
- WebSocket connections to all services
- Basic scenario testing

TARGET E2E LATENCY

< 5 seconds

STT ACCURACY

> 90%

SCENARIOS

1 & 2 Working