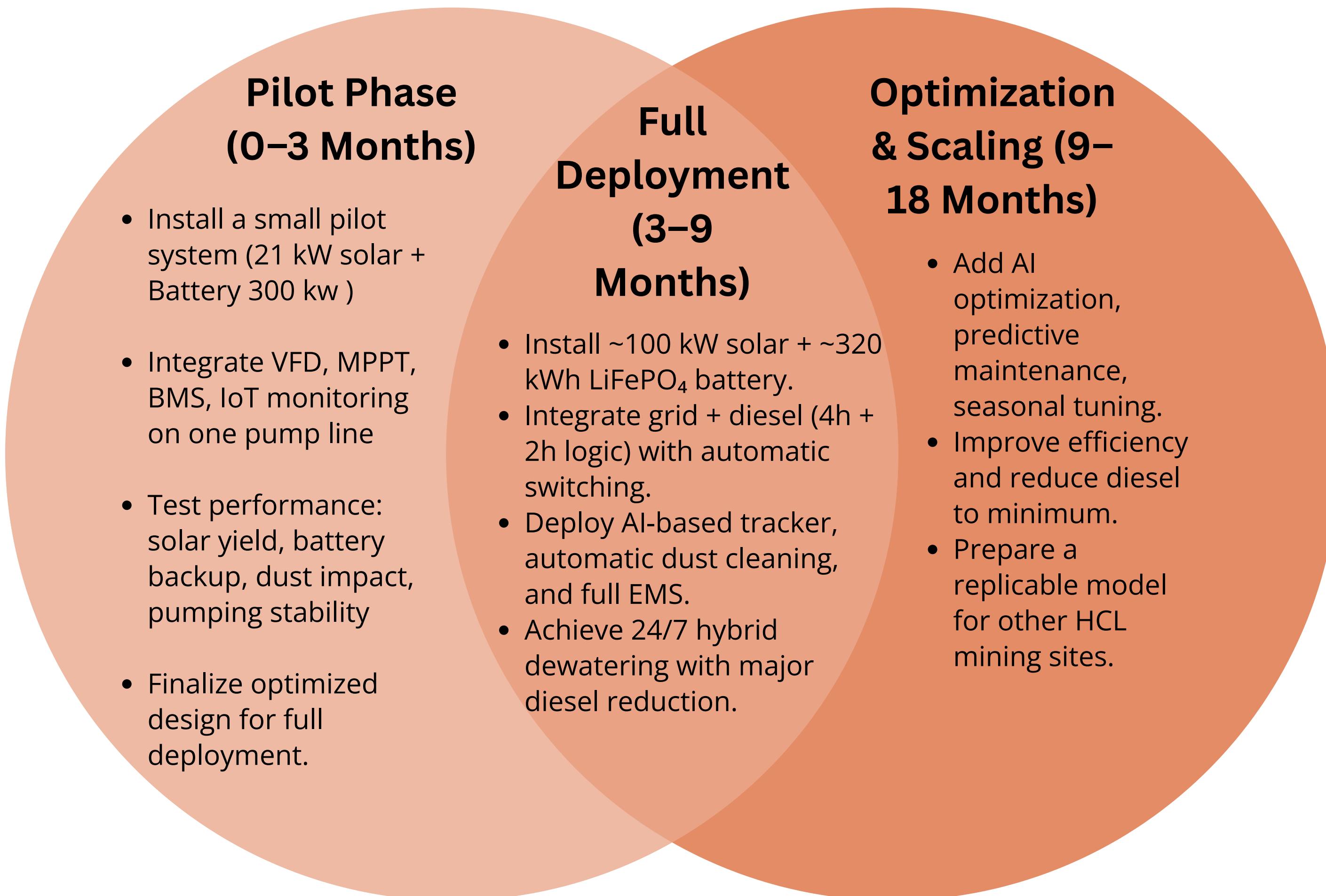


IMPLEMENTATION ROADMAP



METHODOLOGY & PROCESSES

Cost-efficient model enabling vendor-managed installation, operation, and maintenance without upfront investment

OPEX-Based Design

End-to-end IoT connectivity enabling real-time sensor communication, device control, and data synchronization

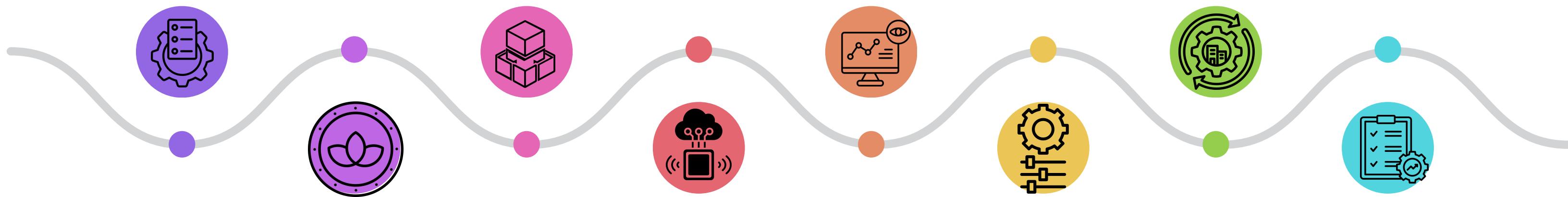
IoT Integration

On-site validation of pump performance, power output, sensor accuracy, and safety thresholds before activation

System Testing & Calibration

Cloud-based analysis of flow patterns, energy savings, and pump efficiency for continuous improvement

Performance Analytics



Resource Mapping

Assessment of water flow, pump head, land availability, solar irradiance, and PV sizing for optimized system planning

Modular Installation

Scalable deployment of solar panels, pumps, sensors, and control units with plug-and-play field integration

Automation & Monitoring

Live dashboard insights with automated alerts, pump control logic, and AI-driven predictive maintenance

Hybrid Continuity Planning

Backup alignment with grid/diesel systems to guarantee uninterrupted pumping during low-sun conditions