## **SMART FACTORIES**



## **Computer Vision Wiring Harness** Algorithm development Improvement Camera hardware o ',product design (cable, connectors) Quality inspection process automation Few-shot learning Replacement o eXplainable AI o Wireless (RFID, Li-fi) Based on WiseEye Defect detection **Digital Twins 3D Printing** Sensors(multisensor, Al based noise based) Cost analysis Data compression & Monitoring & control Transmission Tool design automation Real-time condition monitoring Cloud infrastructure **Cobots Wireless Transmission** • Energy (near-field/far-field) • Machine learning: Control & close tracking o magnetic Cobot control via VR field/resonance/waves Automatic teaching of AR o IR, Light Ultrasound, Radio Frequency based cobot • Information (Li-fi)

