

We are FLEX - 100+ sites in 30 countries





Global Scale & Reach

\$25 billion

company

200,000

employees

100+

locations

52 million

sq. ft. of manufacturing and services space

30

Countries

14,000

active global suppliers

>1,000

global customers

1.2 million

active components

2,500

design engineers



Insight Across Industries





Flex Sites in Israel



Migdal Haemek

PCBA & Logistics Center 50,000 sq/m 1,900 Employees

Haifa

Medical Design Center 1,200 sq/m 40 Design Engineering

Petah Tikva

Danel Embedded Solutions 1,400 sq/m 50 Employees

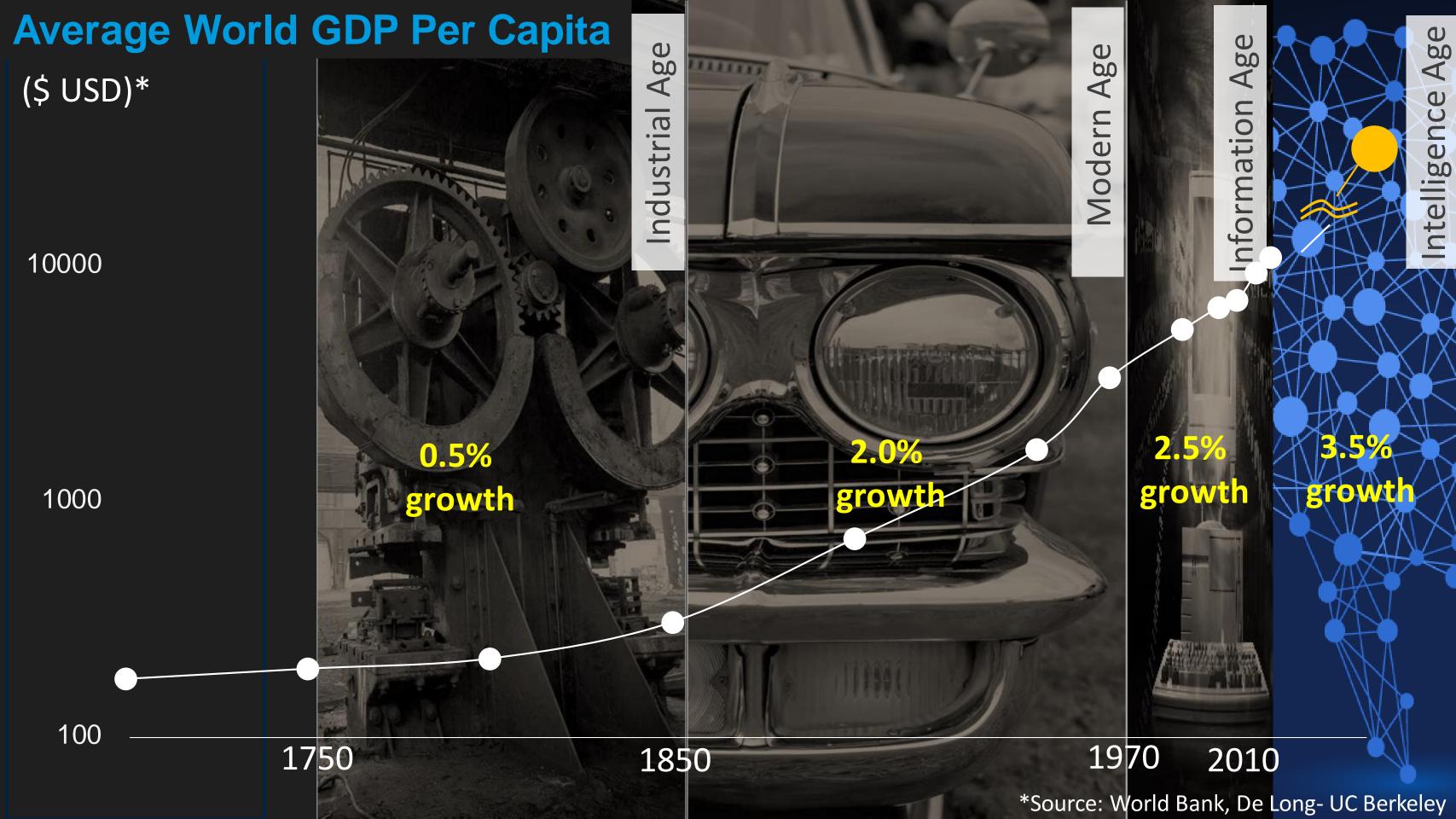
Sderot & Yavne

HLA & Mechanical Operation 20,000 sq/m 660 Employees

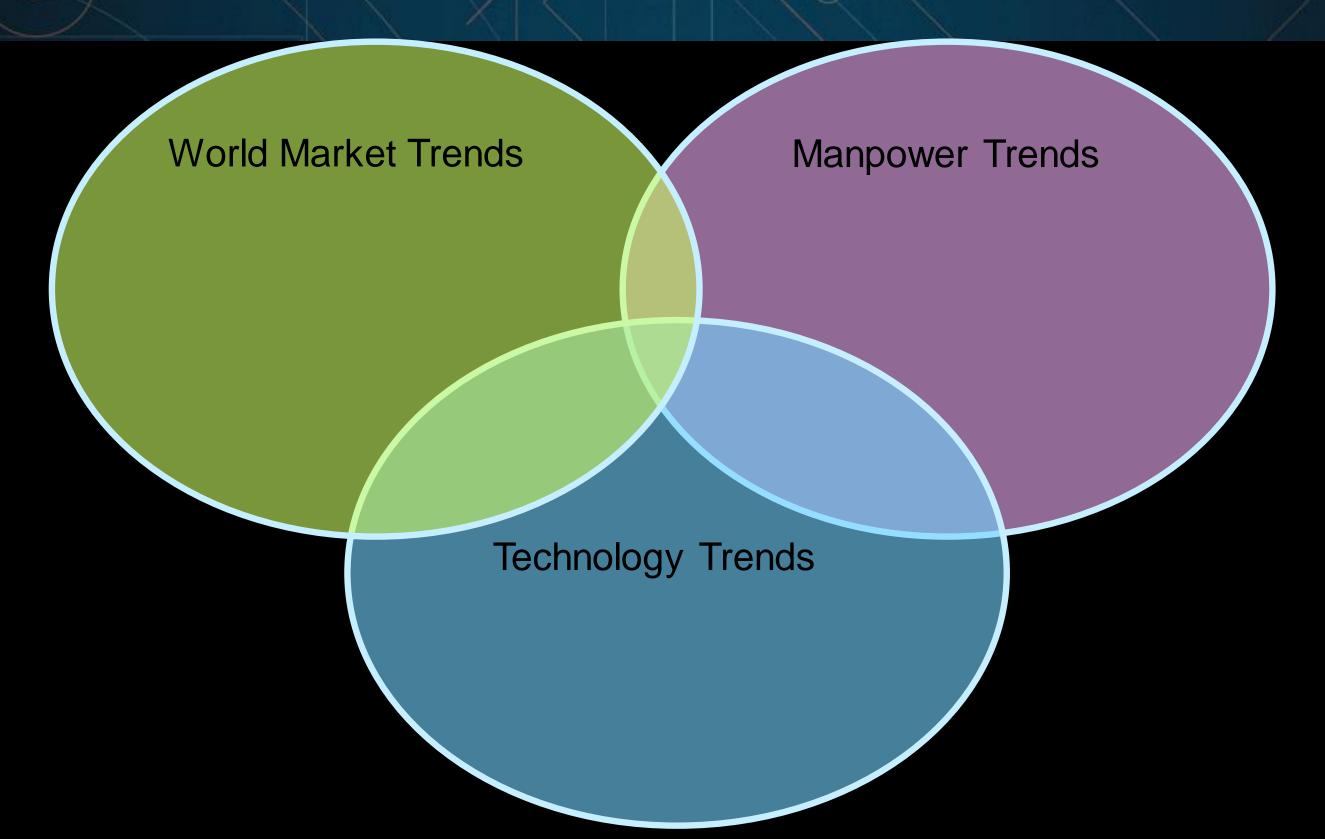
Ofakim

PCBA & Logistics Center 15,000 sq/m 830 Employees



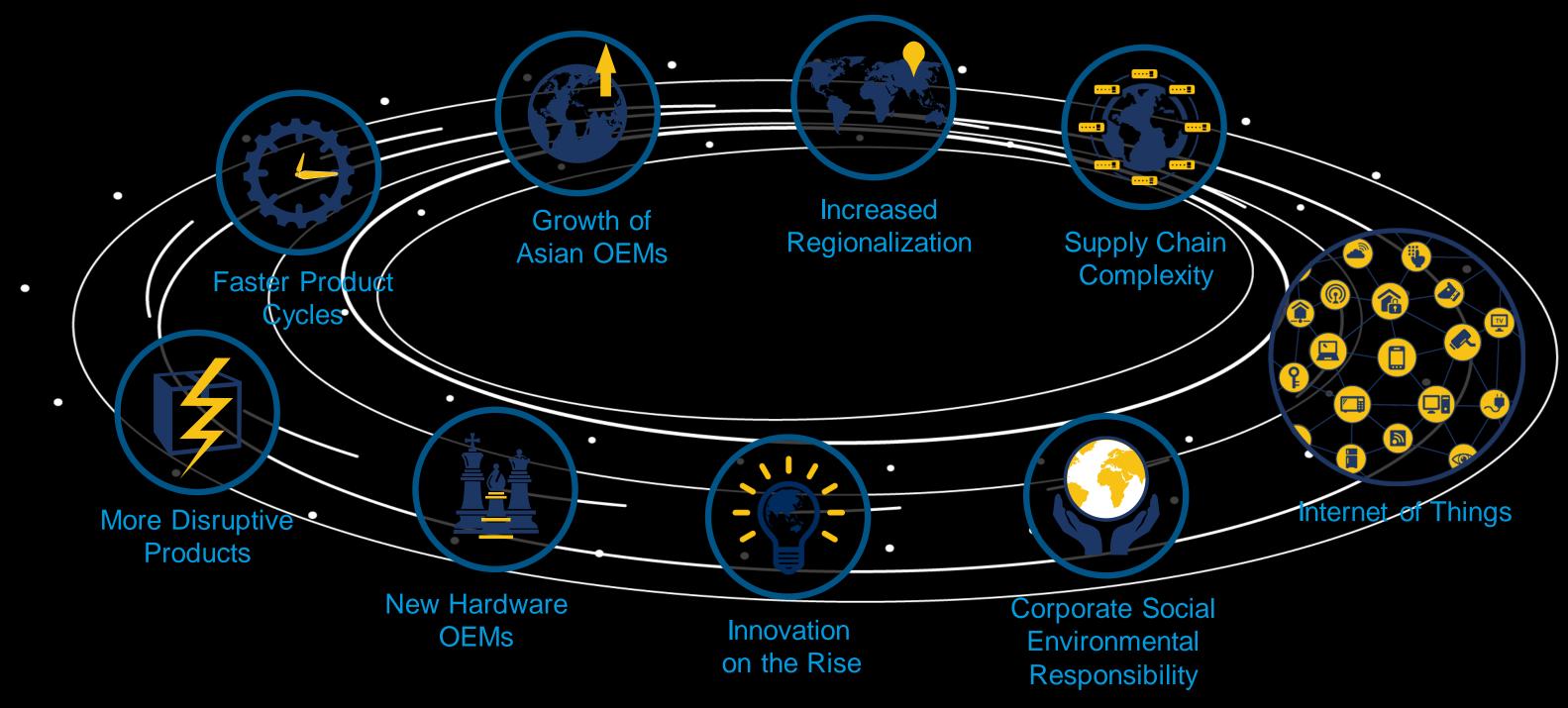


Industry 4.0 Drivers





World Market Trends





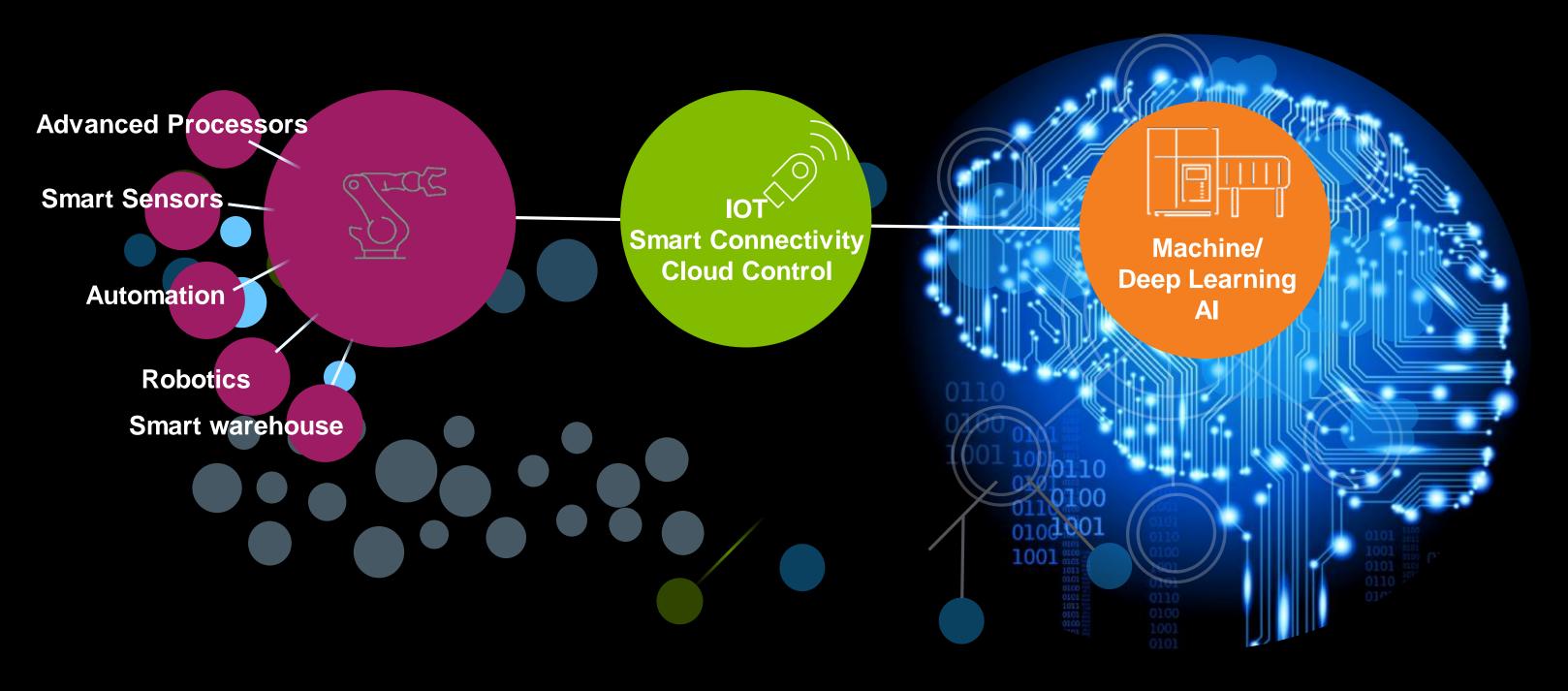
Manpower Trends

- Growing mid-class
 Less manufacturing HR Capital
- Rapid aging population
- Cost of Labor in rise





Technology Trends





Industry 4.0 Drivers

World Market Trends

- Increased regionalization
- Mass customization
- Strong competition
- Price drop

Manpower Trends

- Growing mid-class -> Less manufacturing HR Capital
- Rapid aging population
- Cost of Labor in rise

Industry 4.0 - SMART Automation

Technology Trends

- IOT
- Cloud computing
- Automation & industrial robotics
- Machine Learning, Al



SMART Automation Flex Strategy

EMS Projects

- Interconnected, touchless assembly operation
- Closed-loop process, traceability,
- real-time control, intelligent and predictive analytics







(Functional Robotics Cells)





Sketch to Scale Initiatives

Sketch Global Design Centers

- Design for Automation
- Design for Manufacturing

Scale Business Segments

- Partnering with OEM's
- Design automation lines



New Industries Projects

- New business model: sketch to scale
- selling capital equipment
- Automated Sock Liner (ASL)







Flex's SMART Automation Principles

Standardization of Automation

Minimize Deployment Cost and Lead Time

Machine Communication

Each machine is Networked to the Flex SMART Cloud Platform

Automated Data Virtualization

Information Transparency interfacing the Cloud

Real Time Monitoring & Control

Maximized Productivity and Quality

Total Manufacturing Management

Increase Productivity and Equipment Utilization



Flex's SMART Automation Implementation

3 Phases Deployment

Phase 1

From SMT Touchless line through AOI inspection

Phase 2

Automate processes from post SMT to ICT Test

Phase 3

Automated Mechanical Assembly



Thank You

