



# IIoT SMART FACTORY SENSOR SOLUTIONS

# IloT SMART FACTORY

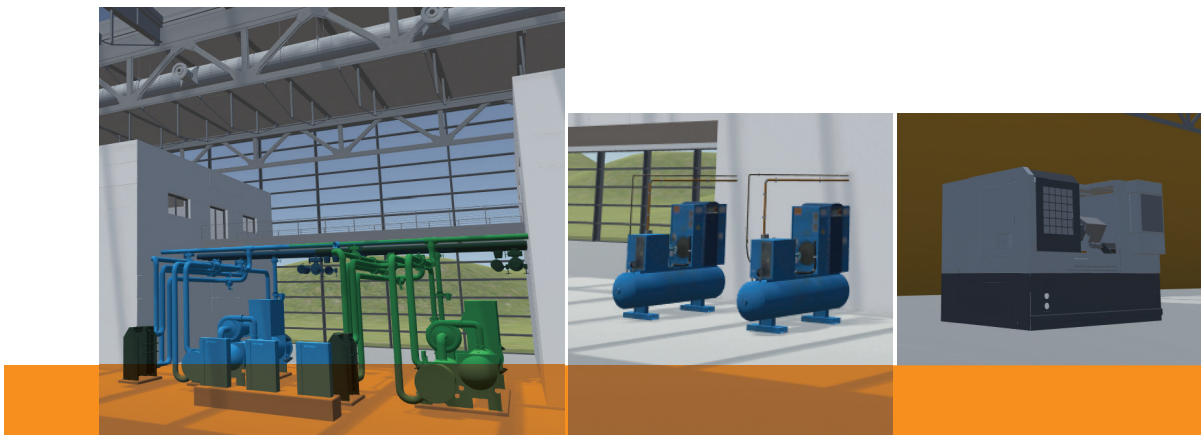
## INTRODUCING THE SENSOR SOLUTIONS

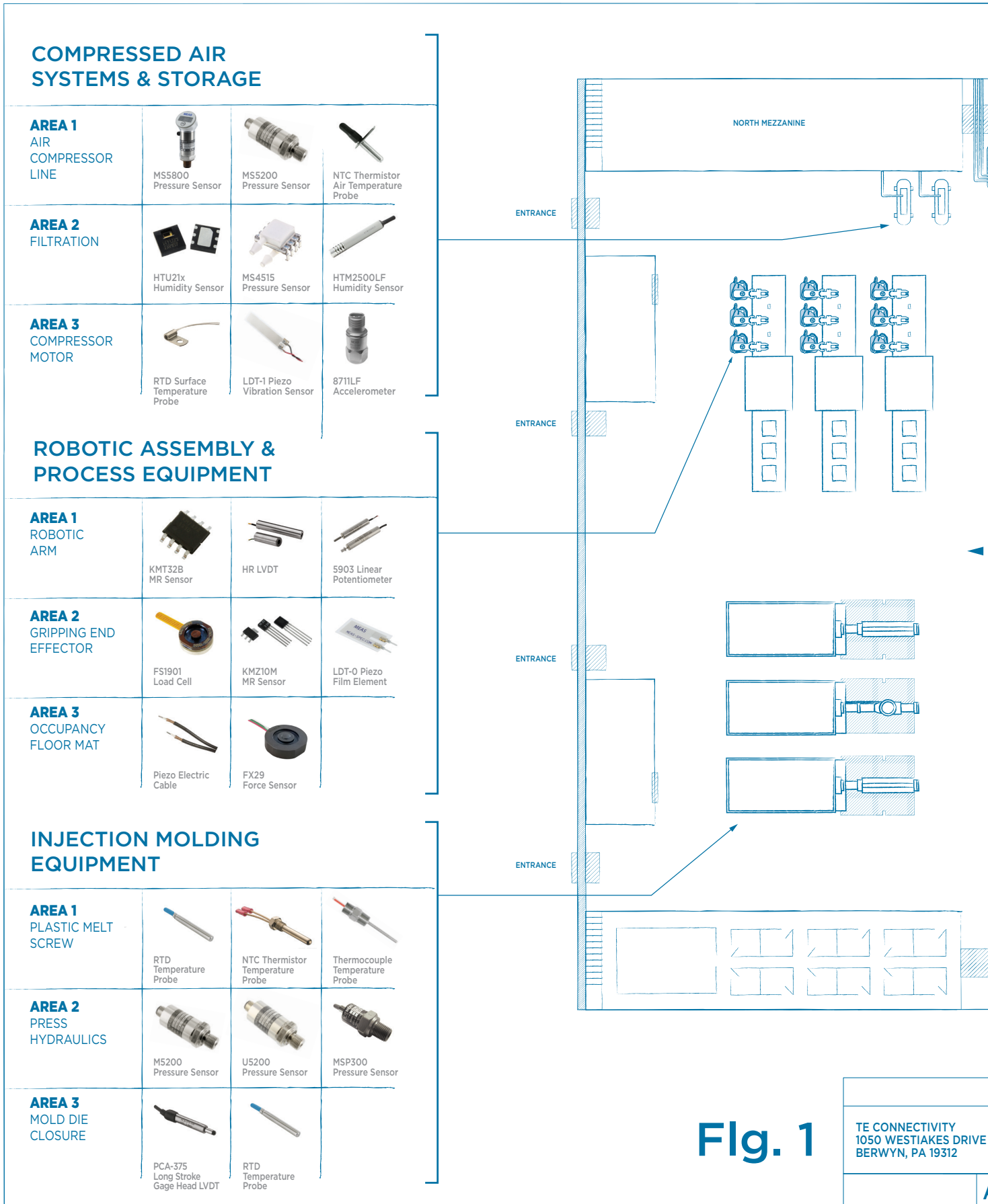
The industrial internet of things (IIoT) is here, and it runs on data. TE Connectivity (TE) sensors provide that data. Precise, real-time measurements of pressure, humidity, vibration, temperature, position, and more to increase efficiency and product quality. TE sensors are the backbone of the growing IIoT industry, serving thousands of applications across hundreds of industries.

The diagram shown here provides a visual of the next industrial revolution, where machines communicate with technicians and assembly lines offer insights through meaningful data. Follow the instructions below to explore our interactive factory, where you can learn more about IIoT systems and how TE sensors are building the future of manufacturing.

### Explore the TE IIoT Smart Factory Experience

1. [Visit the TE IIoT Smart Factory Experience here.](#)
2. Use your keyboard to move around the TE IIoT Smart Factory Experience to explore the different manufacturing equipment.
3. While walking through the factory, click on the orange markers which will provide more detailed information about the included sensors in each application.





## COMPRESSED AIR SYSTEMS & STORAGE

### AREA 1

AIR COMPRESSOR LINE



### AREA 2

FILTRATION



### AREA 3

COMPRESSOR MOTOR



## ROBOTIC ASSEMBLY & PROCESS EQUIPMENT

### AREA 1

ROBOTIC ARM



### AREA 2

GRIPPING END EFFECTOR



### AREA 3

OCCUPANCY FLOOR MAT



## INJECTION MOLDING EQUIPMENT

### AREA 1

PLASTIC MELT SCREW



### AREA 2

PRESS HYDRAULICS



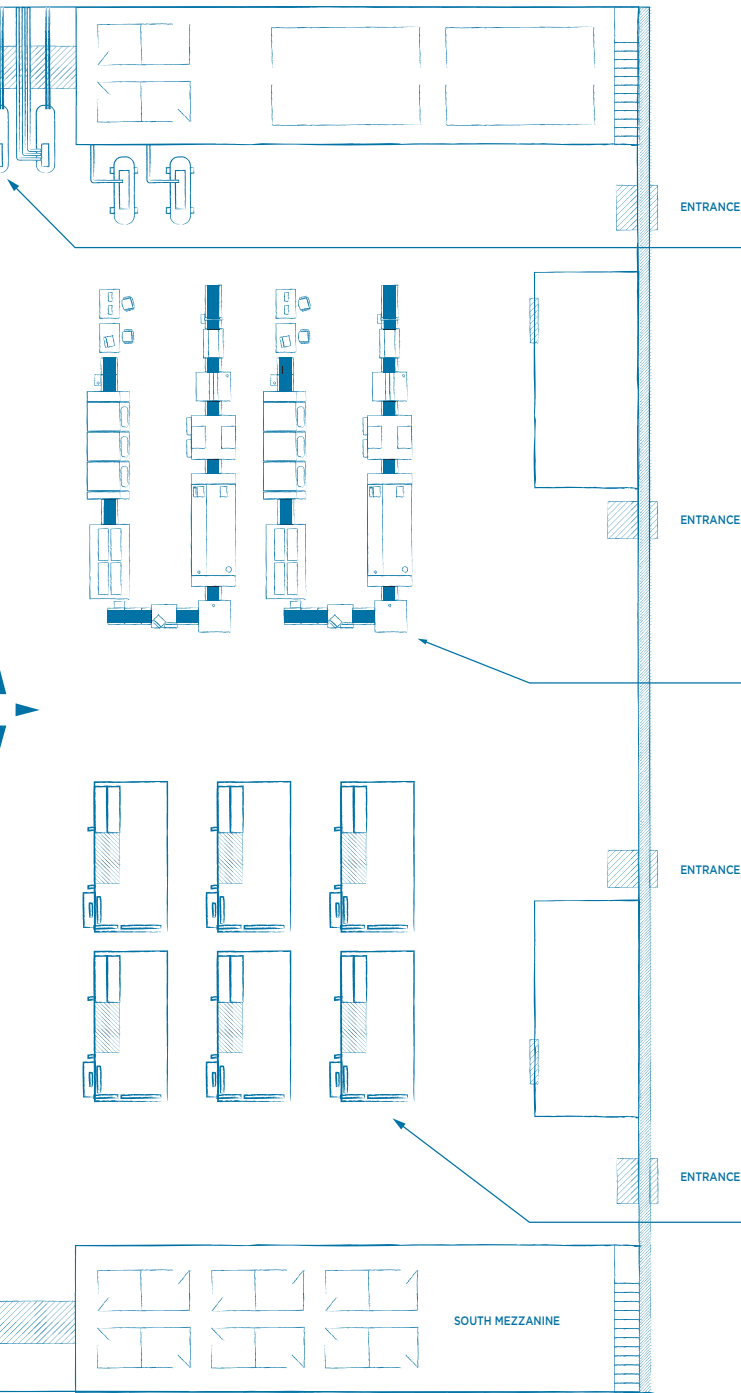
### AREA 3

MOLD DIE CLOSURE










**Fig. 1**


TE CONNECTIVITY  
1050 WESTIAKES DRIVE  
BERWYN, PA 19312



## HVAC BUILDING CONTROL SYSTEMS


|   |   |  |  |
|---|---|--|--|
| <b>AREA 1</b><br>ROOM<br>CONDITION<br>MONITORING      | <br>HTU21x<br>Humidity Sensor              | <br>TSYS02<br>Temperature<br>Sensor | <br>TPE Overmolded<br>NTC Thermistor<br>Probe |
| <b>AREA 2</b><br>REFRIGERATION/<br>HEATING<br>SENSORS | <br>405 Series<br>Air Temperature<br>Probe | <br>M7100<br>Pressure Sensor        | <br>Pipe Clamp<br>Temperature<br>Sensor       |
| <b>AREA 3</b><br>FILTERS                              | <br>MS4525<br>Pressure Sensor              |  |  |

## ASSEMBLY LINE TEST EQUIPMENT

|   |   |  |  |
|---|---|--|--|
| <b>AREA 1</b><br>DIMENSIONAL<br>TESTING | <br>LBB Gage Head<br>Position Sensor | <br>PCA-375<br>Compact Gage<br>Head LVDT  |  |
| <b>AREA 2</b><br>WEIGHT<br>TESTING      | <br>FX29<br>Force Sensor           | <br>FS1901<br>Load Cell                 | <br>FC23<br>Load Cell |
| <b>AREA 3</b><br>TILT/ANGLE<br>TESTING  | <br>DOG2 Dual Axis<br>Tilt Sensor  | <br>G-Series Single<br>Axis Tilt Sensor |  |

## AUTOMATIC MACHINING CENTERS

|  |   |   |  |
|--|---|---|--|
| <b>AREA 1</b><br>TOOL<br>ROTATIONAL<br>SENSOR        | <br>KMT32B MR<br>Sensor      | <br>Jaquet Eddy<br>Current Sensors |  |
| <b>AREA 2</b><br>TOOL<br>CHATTER<br>SENSOR           | <br>8711LF<br>Accelerometer  | <br>ACH-01<br>Accelerometer        | <br>LDT-0 Piezo<br>Film Element |
| <b>AREA 3</b><br>CUTTING/<br>COOLING<br>FLUID SYSTEM | <br>M5200<br>Pressure Sensor | <br>MSP300<br>Pressure Sensor      |  |

|                               |                 |   |
|-------------------------------|-----------------|---|
| ROBOTICS                      | TE.com          |  |
| HVAC                          |                 |   |
| INJECTION MID                 | TE CONNECTIVITY |   |
| A. MACH CNTRS                 |                 |   |
| ASSEMBLY LINES                |                 |   |
| COMPRS AIR                    |                 |   |
| FLOOR PLAN                    |                 |   |
| IIoT SMART FACTORY EXPERIENCE |                 |   |

# SENSING THE FUTURE

## SENSOR SOLUTIONS FOR THE SMART FACTORY FROM TE CONNECTIVITY

The Industrial Internet of Things (IIoT) is transforming manufacturing and supply chain processes, driving significant improvements in system performance, productivity, quality control, energy consumption, overall efficiency, and more. As one of the largest connectivity and sensor companies in the world, TE Connectivity (TE) is at the center of this transformation. We offer an extensive portfolio of innovative sensor solutions designed to provide the real-time system measurements and data analyses critical to the success of smart factories for today and tomorrow.

### SENSOR TECHNOLOGIES

FORCE SENSORS

HUMIDITY SENSORS

PIEZO FILM SENSORS

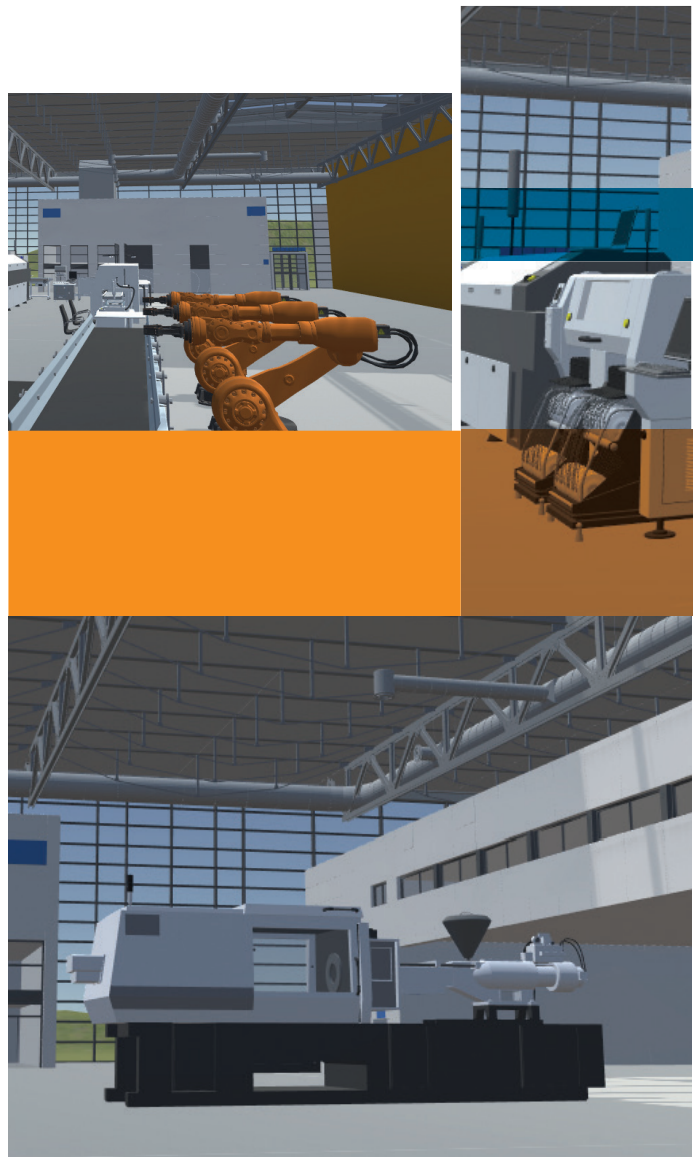
POSITION SENSORS

PRESSURE SENSORS

SPEED SENSORS

TEMPERATURE SENSORS

VIBRATION SENSORS



[te.com/sensorsolutions](https://te.com/sensorsolutions)

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