

# How manufacturing evolved

## Industrial revolution



**1.0**

### **Mechanical production**

Powered by  
water and steam  
18th century



**2.0**

### **Mass production**

Powered by  
electricity;  
assembly line  
19th century



**3.0**

### **Automation**

Powered by  
electronics,  
IT systems  
20th century



**4.0**

### **Smart factory**

Powered by  
cyber-physical  
systems\*  
21st century

*\*Computers that control physical processes, enabling an Internet of Things*