

4TH INDUSTRIAL REVOLUTION

People, machines and technologies interact, creating networks which use real-time information. The product is customized and delivered faster

MEANS OF PRODUCTION Robotics **3D** printing

INTELLIGENCE Augmented reality Simulation Integration of systems

DATA AND CONNECTIVITY Cloud Internet of things (IoT) **Big data**

TECHNICAL TOOLS

METROPOLITAN AREA 417,224 JOBS (+40,000 since 2010) **22,472** COMPANIES

EMPLOYMENT

BARCELONA

GOING?

Mass customization **Flexibility** Production and demand are closer

Circular economy

PRODUCTION

TENDENCIES

BY SUBSECTORS 19% 9% consulting and R&D **64%** 8% logistic

THE FIGURES

BUSINESS Smart manufacturing **Production** on demand Based on the client

Integration of technologies Development of peripheral teċhnċlogies

TECHNOLOGY

HYBRID PROFILES

Information technology

OT Operation Technology

Innovation and continuous training Passion for technology **Adaptability Teamwork**

KEY COMPETENCES

ACCESS TO PROFESSIONAL OPPORTUNITIES LinkedIn Fairs and congresses Training centers Self-candidature Internet forums Meetups

WHATIS

EDUCATION

English German Chinese (INTERNATIONAL ENVIRONMENT)

STEM

LANGUAGES

Field of Mechanical manufacturing Field of Installation and maintenance **UNIVERSITY DEGREES**

PROFESSIONAL TRAINING

Engineering

OTHERS Specialized master degrees In company **TECNIO** centers

professionals

Become part of a new industrial revolution based on constant discovery and innovation, open to professionals from multiple fields and of different qualifications

> **WORKING AREAS Robotics**

Simulation solutions Integration of systems Automation and control **Big Data**

Additive manufacturing

Internet of Things

WHAT IS OFFERED?

Very high work insertion index Wage level higher than the average in Barcelona

Job security

TYPES OF EMPLOYMENT

PROFESSIONAL OPPORTUNITIES

SECTORS

Machinery Health E-commerce Chemistry Energy Food Circular economy **PROFESSIONAL PROFILES**

Adjustment of machinery Specialists in electricity and electro-technology Data analysts Applications and robotics













