

Manufacturing industry 4.0

Job search resources



Ajuntament de
Barcelona



Barcelona
Activa

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This document aims to relate the main resources and channels that must be considered for a job search focused on the Manufacturing industry 4.0 sector.

The main resources and channels of this sector are grouped into the following sections:

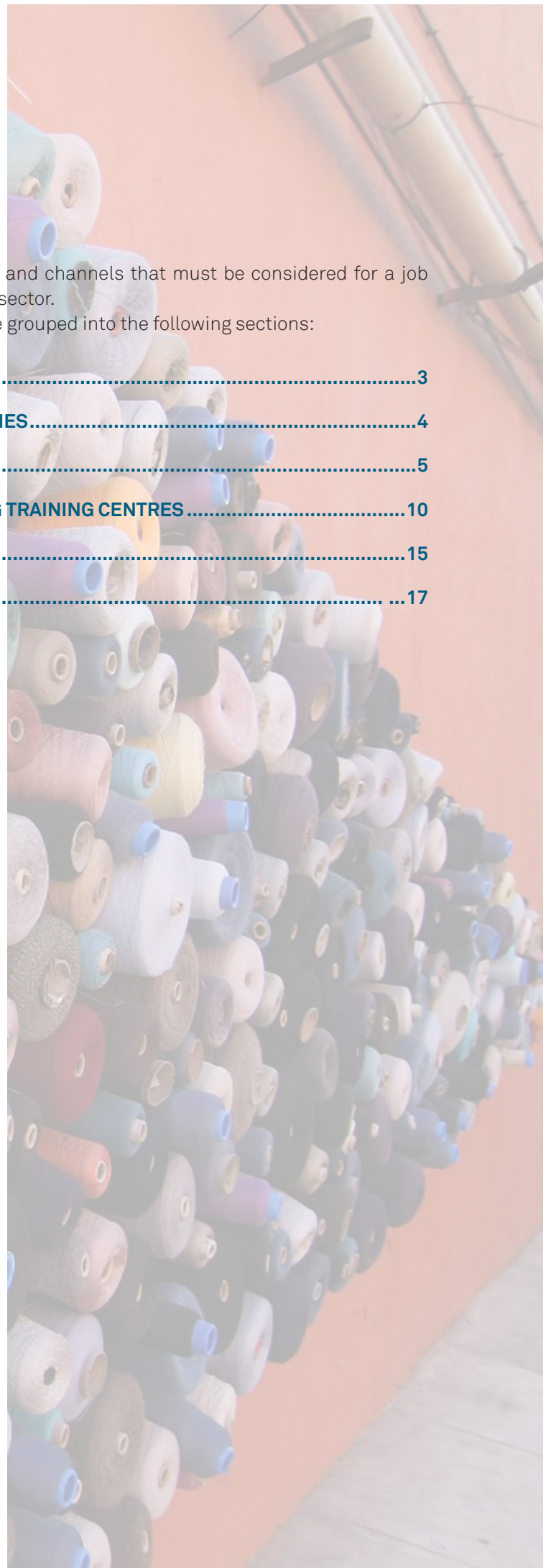
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Cover image

Arrow made out of reels of thread in

Fàbrica Can Batlló

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DID YOU KNOW THAT...

Specialised employment websites unite job offers from a specific profession or sector. They are a useful tool both for companies, who need to recruit increasingly **specialised talent**, and for job searchers who want to find offers more focused on their areas of interest. These websites usually have a reduced number of jobs on offer, but they are more aligned with your professional profile and you will find **less competition**.

REMEMBER!

You will also find specific offers in general employment websites **filtering by keyword**, such as “4.0”, “industry”, and others related to your occupation.

FOCUSING

The manufacturing industry contributed with **15% of GDP** in Catalonia in 2020, amounting to approximately **34 billion euros**.

01. Specialised employment websites

Fashion Jobs

<https://es.fashionjobs.com/s/>

Recruiting platform for professionals in fashion. Offers from all areas are posted on the career site, and the advanced search allows filtering by the category “Production”. Besides the job search engine, candidates may upload their CVs and browse a broad business directory.

Fashion United

<https://fashionunited.es/bolsa-de-trabajo-en-moda>

Global network with the latest news in the world of fashion. It also has a career site listing offers from all areas of this sector.

Ingenieros.es

http://www.ingenieros.es/bolsa_de_trabajo

Website offering a variety of resources for engineers. Their career site lists job offers in Spain and abroad.

PMFarma

<https://www.pmfarma.es/>

Employment website specialised in the pharmaceutical sector and health profiles.

Pro Empleo Ingenieros

<https://www.proempleoingenieros.es/>

Specialised employment website for technical industrial engineers and industrial engineering graduates.

DID YOU KNOW THAT...

These companies aim to **select a candidate** to cover for a specific role for the customer company.

Therefore, temporary recruitment agencies, head-hunters and service companies become a **key channel** to access certain offers and companies in the sector.

Besides, they manage several job offers at the same time, so by applying through these companies you will have access to **offers from different clients**.

REMEMBER!

Industrial companies, particularly those with production peaks, tend to make use of **selection consultants** to cover their vacancies.

FOCUSING

The most **in-demand occupations** in the manufacturing industry are the following: **technical engineers, moulders and diemakers, process control technicians and designers of products and pieces**.

02. Recruitment and intermediary companies

Binternational

<https://binternational.net/>

International recruitment consultant. It is present in 64 countries and it specialises in eight sectors, amongst which the following stand out: industry, packaging, automobile and the chemical and pharmaceutical sectors.

Helpoint

<https://www.helpointserveis.com/home.html>

Human resources consultant with headquarters in Granollers, specialised in recruiting trade professionals: welders, turners, diemakers, electricians and engineers, amongst others.

Luxe Talent

<https://www.luxetalent.es/>

Recruitment company specialised in profiles in the following industries: fashion, food and beverage, electronics, automobile and luxury.

Noa's

<https://www.gruponoas.es/ett-barcelona-trabajo-temporal/>

Although this temporary employment agency operates in all sectors, their specialities include the following industries: metallurgical, wood and ICT.

Selecting

<https://www.select-ing.es/>

Strategy consultant specialised in recruiting engineering professionals. They work both on a national and international level.

Trébol Ibérica ETT

<https://www.treboliberica.com/>

Temporary employment agency specialised in technical engineering personnel. Their website has a sign-up form to receive job offers via e-mail.

DID YOU KNOW THAT...

Self-applying to a company before they post a job offer is a good way to **anticipate their demand for personnel** and show interest in joining their team. For your self-application to succeed, you will need to **send a cover letter alongside your CV** and follow up on your application. Immediate results are not guaranteed, but you might be selected for unpublished offers and **reduce competition to a minimum.**

REMEMBER!

If you work in **project creation or design**, add a **portfolio to your CV**. This will help to show your experience and projects in which you have taken part in a more visual and extended way.

FOCUSING

In the Barcelona metropolitan area alone there are more than **7,500 companies** in the industrial sector. **55% of those are in the city of Barcelona** (2019 data).

03. Self-application

A) COMPANIES

Companies in the Manufacturing Industry 4.0. sector:

ALTEN

<https://www.alten.es/#empleo>

Company offering consulting services, information technology services and engineering services applied to a range of sectors, including the industrial sector.

AMES

<https://www.ames-sintering.com/ca/>

International company with headquarters in Sant Feliu de Llobregat, dedicated to manufacturing and selling sintered metal components.

Aritex

<https://www.aritex-es.com/>

Catalan company supplying industrial resources to the following sectors: automobile, aeronautics, railway, automatic machine manufacturing and renewable energies. At the bottom of their website there is a contact form through which candidates may send their CVs.

Benteler

<https://career.benteler.com/jobs-worldwide/>

Company dedicated to manufacturing components, pieces and accessories for the automotive industry with headquarters in Abrera and Martorell. Their website has a national and international career site.

Capgemini Engineering

<https://capgemini-engineering.com/es/en/careers/>

Engineering company and R&D consultant working in automotive projects and intelligent industries, amongst other sectors. It has job vacancies in Barcelona and Tarragona.

Cóndor

<https://www.condor.es/contacto/>

Company with headquarters in Arenys de Mar, specialised in knitted fabric. Their HR department may be contacted through a contact form on their website.

Coty

<https://www.coty.com/>

This large cosmetic manufacturing company, native to the United States, has one of their main production centres in Granollers and their Spanish headquarters are in Barcelona.

Danone

<https://www.danoneespana.es/>

French company that commercialises dairy products and drinks. It has four production centres in Spain, one of which is in Parets del Vallès.

Desigual

https://www.desigual.com/es_ES/corporate/people/

Textile group with headquarters in Barcelona. On their website they post current worldwide job offers.

FAE

<http://www.fae.es/es/contacto>

Company located in Hospitalet de Llobregat, dedicated to designing and manufacturing electric and electrical products for automobiles. They have a contact form on their website.

Ficosa

<https://www.ficosa.com/ficosa-people/latest-job-openings/>

International group with a factory in Viladecavalls, dedicated to the research, development and production of automobile systems and components.

Gestamp

https://jobs.gestamp.com/?locale=es_ES

Multinational company dedicated to the design, development and manufacturing of automobile components. Besides, the company currently has several initiatives related to Industry 4.0.

Grifols

<https://www.grifols.com/es/careers>

Pharmaceutical holding specialised in producing plasma-derived medicines. They also supply biological materials and clinical diagnosis instruments.

Inditex

<https://www.inditexcareers.com/portalweb/es/home>

Textile group that commercialises the following brands: Zara, Zara Home, Massimo Dutti, Pull&Bear, Bershka, Oysho, Uterqüe, Tempe and Stradivarius. They have shops around the country and some of their headquarters and logistics centres are in the province of Barcelona, specifically in Tordera and Sallent. Their website contains a career site as well as a section through which candidates may send their CVs.

Mango

<https://mango-emea.jobs.net/es-ES/>

Multinational company with headquarters in Palau-Solità i Plegamans (Barcelona). Their website has a section through which candidates may send their applications and check their current job offers.

Margasa

<http://www.margasa.com/contacto>

Company located in Cerdanyola del Vallès, specialised in development projects and construction of installations for recycling all types of textile waste, amongst other services. Their website has a contact form.

Matachana

<https://www.matachana.com/es/contacto.html>

Business group dedicated to designing, manufacturing and commercialising technological solutions for the health sector (sterilisation, washing and surgical blocks). Candidates may self-apply through their contact form.

Metalquimia

<https://www.metalquimia.com/es/empleo/>

Company founded in Girona, specialised in machining and technology for the industrial manufacture of meat products, marinated products, cured products and meat snacks.

Original Buff

https://www.buff.com/es_es/trabaja-con-nosotros

Textile company with a factory and offices in Igualada. They design, produce and distribute neck gaiters, scarfs and sports clothes. Candidates may check their current job offers and send their self-applications on their website.

RDT Ingenieros

<http://www.rdtengineers.jobs/empleo/>

Company offering engineering and innovation solutions. They have headquarters in Barcelona.

Roca

<https://www.roca.es/>

Catalan industrial group that manufactures sanitary equipment and ceramic tiles for bathrooms.

Schneider Electric

<https://www.se.com/es/es/>

Company manufacturing and commercialising devices for electrical installations in residential and industrial buildings. Besides, they promote sustainability and energy efficiency through digital solutions (cloud, Internet of Things, etc.).

SEAT

<https://www.seat.com/>

Automobile manufacturer from the Volkswagen group, with two production centres in Barcelona and Martorell and a components' production centre in el Prat de Llobregat. Recently, the company has bet on the conversion to electric vehicles.

Sensofar Tech

<https://www.sensofar.com/company/careers/>

Leading multinational company in metrology with headquarters in Barcelona. Candidates may review their job offers on their website and send their CVs via e-mail.

Serra Soldadura

<https://serrasold.com/empleo/>

Company manufacturing capital goods related to welding for the automotive and general industry sectors.

Titanlux

<https://www.titanlux.es/>

Paint manufacturer specialised in professional, industrial, fine arts and nautical decoration. Their main production plant is located in el Prat de Llobregat.

Velcro Companies

<https://www.velcro.es/about-us/careers/>

Company based in Argentona that develops fastening solutions for the textile industry, amongst other applications. Their website displays their most in-demand profiles and their available job offers.

Companies providing Industry 4.0. solutions:

Applus

<https://www.applus.com/global/en/careers/work-with-us/job-opportunities>

Company dedicated to inspection, testing and certification of products and processes. They also accompany other companies in the development and implementation of new technologies, such as digital twins.

BCN3D

<https://www.bcn3d.com/ca/>

Manufacturer of 3D printers for professionals and industry-level users.

Eurecat

<https://eurecat.org/eurecat/treballa-amb-nosaltres/>

Technology Centre of Catalonia that aims to appropriate the world of research to business market, promoting innovation and competitiveness. It focuses on different sectors such as food, construction, automotive or energy, among others. The link provided shows active jobs and the way to send your CV.

FANUC

<https://www.fanuc.eu/es/es/quienes-somos/recursos-humanos>

Robot manufacturer for industrial automation. Their production centre is in Japan, but the company has an office in Castelldefels offering maintenance and repair services.

OnRobot

<https://onrobot.com/es/empleo>

Danish company with an office in Barcelona manufacturing light and collaborative industrial robots that contribute to the automation of small and medium companies.

PICVISA

<https://picvisa.com/>

Technological company developing and producing equipment of selection and classification of materials through solutions based on robotics, intelligence and artificial vision.

Renishaw

<https://www.renishaw.es/>

International technological group of metrology and systems for the high-precision health sector. They also design industrial machinery and manufacture it through metal 3D printing (additive manufacturing).

Zetes

<https://www.zetes.com/es/node/875>

Company specialised in accelerating and increasing the traceability of supply chain processes through sensors, IoT and big data.

B) SPECIFIC DIRECTORIES

Agrupación Española del Género de Punto

<http://buscaempresas.agrupaciontextil.org/comunidad/buscaempresas/empresas>

A directory of companies in the textile industry can be found in this website.

Axesor

<https://www.axesor.es/>

Online directory of companies in mechanical engineering.

Catalonia Industry Suppliers

<http://suppliers.catalonia.com/>

Business search engine that lists industrial providers with the most exporting potential (over 3,000), classified by sectors and highlighting their main products.

Centro de Estudios y Asesoramiento Metalúrgico - CEAM

<https://www.ceam-metal.es/es/presentacion/webmetal/135>

Directory of companies linked to the metal sector, which allows searching by company activity, product type and company name.

Directori d'empreses d'AIPC

<https://aipc.cat/associacio/directori-empreses/>

Directory made up of the member organisations of the Association of Plastic Industries of Catalonia.

Directori d'empreses de Cooperatèxtil

<https://www.cooperatexil.com/es/empresas>

Directory of companies and workshops offering textile services in Catalonia. 97% of these are small companies.

Solo Industria

<https://directorio.soloindustria.com/>

This directory includes active industries and businesses in Catalonia, classified by sectors and towns.

Textiles From Spain

<http://www.textilesfromspain.org/es.html>

Website listing companies in the textile industry that are in the process of internationalisation.

Xarxa Industrial

<https://xarxa.xarxaindustrial.net/>

Directory of Spanish industrial companies classified by business area.

DID YOU KNOW THAT...

Colleges and professional associations are organisations that **defend and promote the interests of a certain occupation or trade**. Most common services offered include: information, regulatory and legal advising, refresher courses and career site, where you may find suitable offers for your profile. Besides, by joining these organisations you will easily meet other professionals and **expand your contact network**.

REMEMBER!

These organisations will help you keep yourself up to date with the most **in-demand technologies** in this sector: **Internet of Things, collaborative robotics, 3D printing and cyber-physical systems**.

FOCUSING

The industrial fields with a greater **economic weight** in Catalonia are **food, chemistry and manufacturing of transport equipment** (2019 data).

04. Professional associations and leading training centres

A) COLLEGES AND PROFESSIONAL ASSOCIATIONS

AEI Tèxtils

<https://textils.cat/>

Cluster of companies linked to the technical textiles sector. Their website includes information about their members as well as a business directory and a news section.

Associació Catalana d'Empreses de Motlles i Matrius - ASCAMM

<https://ascamm.org/>

The website of the Catalan Association of Moulds and Dies offers information about publications, agenda of activities, a career site for members, and a directory of member companies.

Associació de Disseny Industrial - ADI-FAD

<https://www.fad.cat/adi-fad/ca>

FAD Association of Industrial Design works towards excellence in the practices of product design and the dissemination of the culture of design. They offer services for members and companies.

Associació de Dissenyadors Professionals - ADP

<http://adp.cat/>

Non-profit Spanish association integrated by professionals in graphic design, industrial design, interior design, companies, institutions and students. They promote the cultural and professional value of design and aim to encourage its everyday use in the business sector with professionalism.

Associació Empresarial de l'Hospitalet i el Baix Llobregat - AEBALL

<http://www.aeball.net/index.asp>

The Business Association of l'Hospitalet and Baix Llobregat is dedicated to representing, managing, defending and coordinating companies in the industrial, commercial and service sectors.

Asociación Española de Fabricantes de Pinturas y Tintas de Imprimir - ASEFAPI

<http://www.asefapi.es/>

The Spanish Association of Paint and Ink Manufacturers unites 80% of the Spanish companies in this sector. Besides counselling and representation services, they offer training for companies and a directory of member companies.

Asociación Española de Químicos y Coloristas Textiles - AEQCT

<https://www.aeqct.org/aeqct-bolsa-de-trabajo/>

Scientific and technical institution that, amongst other services, offers a career site on their website.

Centre Metal·lúrgic

<https://www.centrem.cat/>

Business association of companies in the metallurgical sector with headquarters in Sabadell.

Col·legi d'Enginyeries Tècniques i Grau en Enginyeria Informàtica de Catalunya - COETIC

<http://www.coetic.cat/>

The Official College of Technical and Computer Engineering of Catalonia unites computer engineers and ensures an adequate practice of the profession.

Col·legi d'Enginyers Tècnics Industrials de Barcelona - CETIB

www.cetib.cat

It brings together professionals from different engineering specialties, develops training activities and offers technical advice on certification issues and professional attributions. It has a job exchange and its own employment and professional promotion service.

Col·legi de Químics de Catalunya

www.quimics.cat

It groups chemistry professionals and also includes graduates in Biochemistry, Food Science and Technology, Environmental Sciences, Chemical Engineering and Oenology.

Col·legi Oficial d'Enginyers Agrònoms de Catalunya - COEAC

<https://www.agronoms.cat/>

The Official College of Agronomic Engineers of Catalonia is a wide collective organised in four areas: Barcelona, Tarragona, Lleida and Girona.

Consell de Col·legis d'Enginyers Graduats i Enginyers Tècnics Industrials de Catalunya - CCETIC

<https://ccetic.cat/>

CCETIC is the organisation uniting the Colleges of Technical and Industrial Engineers in the following territories: Barcelona, Girona, Tarragona, Lleida, Manresa i Vilanova and la Geltrú.

Enginyers Industrials de Catalunya - EIC

<https://www.eic.cat/>

The Association and the College of Industrial Engineers are the entities representing industrial engineering professionals. They defend the profession and regulate the practice.

Federació de Gremis d'Instal·ladors de Catalunya- FEGiCAT

<https://www.fegicat.com/web/inicio/>

Grouping of installation professionals who belong to the associations that are part of the federation where development, training, consulting and documentation services are offered.

Fundació per a la innovació tèxtil - FITEX

<https://www.fitex.es/>

The Private Foundation for Textile Innovation is a private non-profit organisation. Their main goal is to promote the innovation process of the knitwear industry in a general sense: product, process, management, knowledge and commercial strategy in textile companies.

Fundació per la Indústria

<https://fundacioperlaindustria.org/>

The Foundation for Industry aims to work towards the development of the Catalan industrial textile, knowledge and new technologies applied to business.

Gremi de Caldereria

<https://gremicaldereria.com/>

Association that groups the professionals of the sector, manufacturers, installers and repairers of pressure equipment, pipes, filters and other elements of boiler making and sheet metal work. The organisation promotes and defends the interests of the sector, offers support in technical, economic, labor, tax and organisational aspects.

Gremi Provincial de Tallers de Reparació d'Automòbils de Barcelona

<http://www.gremidetallers.org/>

This trade's website has a business opportunity board. It is useful for those who are thinking about starting a professional project in the car repair field.

Gremi Reparadors i Mantenidors d'aparells d'ús domèstic i industrial de Catalunya

<http://gremireparadors.com/index.html>

Association that groups professionals specialised in the repair and maintenance of industrial devices. Their website has a search engine for member companies with a filter based on the physical location of the industry (Barcelona, Tarragona, Lleida or Girona).

Institut Tècnic Català de la Soldadura - ITCS

<https://itcsoldadura.org/es/inicio>

The Catalan Technical Institute of Welding offers training courses, events and news of the sector.

Modacc

<https://www.modacc.cat/>

The Catalan Fashion Cluster promotes competitiveness of the Catalan fashion ecosystem through individual and collective value-added initiatives.

Sernauto

<https://www.sernauto.es/>

The Spanish association of manufacturers of automotive equipment and components has a business directory as well as news and information about the sector.

B) UNIVERSITIES AND SCHOOLS:

Asociación Española para la Calidad - AEC

<https://www.aec.es/formacion/catalogo-cursos/>

The Spanish Association for Quality has a wide catalogue of online training courses. Some of the topics are Innovation, Integrated Systems and Transformation 4.0.

Barcelona Supercomputing Center - Centre Nacional de Supercomputació - BSC-CNS

<https://www.bsc.es/ca>

It specializes in High Performance Computing (HPC) and manages the MareNostrum, one of the most powerful supercomputers in Europe. Its research focuses on four areas: Computational Sciences, Life Sciences, Earth Sciences and Computational Applications in Science and Engineering.

Centres d'Innovació i Formació Ocupacional - CIFO

<https://serveiocupacio.gencat.cat/ca/soc/centres-dinnovacio-i-formacio-ocupacional-cifo/>

Network of eight SOC centres that aim to improve occupation through the acquisition or update of professional skills. The CIFOs in **Sant Feliu de Llobregat**, **Salt**, **Sabadell** and **Tarragona** offer industry-related training.

Centro de Integridad Estructural, Fiabilidad y Micromecánica de los Materiales - CIEFMA

<https://ciefma.upc.edu/es>

UPC's research group dedicated to research in the fields of Structural Integrity, Micromechanics and Reliability of Materials in Engineering. Besides, they offer seminars and training courses for businesses.

Computer Vision Center - CVC

<http://www.cvc.uab.es/>

Research centre with the mission to carry out advanced research in the field of computer vision, with application in quality control in industry, logistics and automotive.

Elisava

<https://www.elisava.net/>

Elisava is an affiliated centre to Vic University. They offer Undergraduate degrees, Master's degrees, Postgraduate degrees and speciality courses in the fields of Design, Engineering and Communication.

Escola Superior d'Administració i Direcció d'Empreses - ESADE

<https://www.esade.edu/ca>

Undergraduate and Master's degrees in the field of Manufacturing Industry 4.0.

Escola d'aprenents SEAT

<https://www.aprendices.seatformacion.com/>

They offer the following four Dual Post-Secondary Vocational Training courses (CFGs): Automation and Industrial Robotics; Industrial Mechatronics; Production Scheduling in Mechanical Manufacturing and Automotive.

Escuela Guerrero

<http://www.escuelaguerrero.com/Web/Inicio.aspx>

School located in Barcelona offering training in the textile sector, as well as access to their career site for students. Transports, Logistics, Bioengineering, etc.

Eurecat Academy

<https://eurecatacademy.org>

Eurecat Academy is one of the services of the Technology Centre of Catalonia. They offer highly specialised training in new technologies, divided in five areas of knowledge: Industry, Digital, Sustainability, Biotechnology, and Innovation and Enterprise.

Fundació CIM-UPC

<https://fundaciocim.org/>

They offer master's degree programmes in the field of Manufacturing Industry and 4.0.

Fundació Eduard Soler - FES

<https://www.fes.cat/>

Private institution dedicated to formal and informal training specialised in technology.

Institut de Formació Contínua – IL3

<https://www.il3.ub.edu/ca/programes/transformacio-digital>

In this centre of the University of Barcelona you can study master's degree programmes in the field of Manufacturing Industry and 4.0.

Institut de la Mercè

<https://www.lamerce.com/>

The section "Estudis" displays Intermediate and Post-Secondary Vocational Training courses specialised in Mechanical Manufacturing, amongst others.

International Center for Numerical Methods in Engineering – CIMNE

<https://www.cimne.com/>

Institute led by UPC- Barcelona Tech, the Catalan Government and participated by UNESCO. It promotes R+D on numerical methods and computer assisted calculation techniques applied to problem solving in engineering and knowledge transfer to industry.

La Salle - Universitat Ramón Llull

<https://www.salleurl.edu/ca/estudis>

Their website provides information about their higher education studies in Engineering, Computer Science and Project Direction, amongst others.

School of Engineering/Escola Tècnica Superior IQS

<https://www.iqs.edu/ca>

They offer degrees and master's programmes in the field of Manufacturing Industry and 4.0.

Sincrotró ALBA

<https://www.cells.es/ca/que-es-alba/benvinguda>

European reference research centre. Complex of electron accelerators in the production of synchrotron light that allows to visualize the atomic and molecular structure of materials and to study their properties, with scientific and industrial applications.

Tecnocampus - Escola Superior Politècnica

<https://www.tecnocampus.cat/escoles-superiors-del-tecnocampus/escola-superior-politecnica>

Degrees and master's programmes are offered in the field of Manufacturing Industry and 4.0.

Universitat Autònoma de Barcelona

<https://www.uab.cat>

It offers degrees, master's and doctoral programmes in the field of Manufacturing Industry and 4.0.

Universitat de Barcelona

<https://www.ub.edu/portal/web/quimica/estudis>

The UB offers master's and doctoral degrees and programmes in the field of Manufacturing Industry and 4.0 in several faculties: the Faculty of Chemistry, the Faculty of Physics, the Faculty of Mathematics and Computer Science and the Faculty of Economics and Business.

Universitat Oberta de Catalunya

<https://estudis.uoc.edu/ca/>

Besides engineering degrees, UOC has an interesting offer of postgraduate degrees and speciality courses in the field of industry and digital transformation.

Universitat Politècnica de Catalunya - UPC

<https://www.upc.edu/ca/graus>

The UPC offers a wide range of master's degree programmes in the field of Manufacturing Industry and 4.0. The degrees are taught in different centres and faculties, depending on the area of specialization: the Escola d'Enginyeria de Barcelona Est (EEBE), the Escola d'Enginyeria de Telecomunicació i Aeroespacial de Castelldefels (EETAC), the Escola Tècnica Superior d'Enginyeria Industrial de Barcelona (ETSEIB), the Escola Tècnica Superior d'Enginyeria de Telecomunicació de Barcelona (ETSETB), the Facultat d'Informàtica and the Escola de Doctorat.

Universitat Pompeu Fabra -UPF

<https://www.upf.edu/web/etic/educacio>

It is possible to take degrees, master's and doctoral programmes in the field of Manufacturing Industry and 4.0. in various centres and faculties of the UPF: the School of Engineering, the Faculty of Health and Life Sciences and the Faculty of Economics and Business.

DID YOU KNOW THAT...

Networking, either online or in person, allows you to access to certain **offers that are not published in usual sites**, as well as widen your **contact network**. To network successfully, focus on the relationship as **an exchange** through which useful information is shared and received. So: make yourself visible, interact and share! In exchange, you will receive opportunities, proposals and recommendations that will boost your job search.

REMEMBER!

Work on your **personal brand**. In the industry 4.0 there are a lot of exporting companies and therefore **languages** are highly regarded. If you are proficient in a language, **make it stand out!**

FOCUSING

Industrial companies are increasingly betting on more **flexible and adaptable production processes**, such as **on-demand manufacturing**, **additive manufacturing** and the use of **digital twins** (virtual simulations of physical elements).

05. Networking

A) ORGANISATIONS

Amec

<https://www.amec.es/>

Entity uniting the main Spanish industries, with a clear international vocation. They publish studies related to this sector, offer training and counselling programmes and promote collaboration amongst companies.

Clúster de Fabricants de Béns d'Equip de Catalunya - CEQUIP

<https://www.cequip.net/ca>

The Cluster of Capital Goods Manufacturing Companies of Catalonia aims to meet the sector's needs by creating synergies, organising conferences and workshops, and offering tailored training programmes, amongst others.

Clúster de la Maquinària i els Medis de Producció Agrícola - FEMAC

<https://www.femac.org/>

The Catalan Cluster of Agricultural Production Means creates a trust network amongst its members, boosts internationalisation and promotes innovation.

Clúster de les Tecnologies Intel·ligents - Smartech Cluster

<https://smartechcluster.org/es/>

Association that brings together companies of the sectors of home automation, intelligent buildings and cities and the digital transformation of industry. Includes companies dedicated to manufacturing, development, engineering, consulting, distribution, knowledge entities, public administrations and users.

Clúster de Materials Avançats de Catalunya - MAV

<https://www.clustermav.com/>

This organisation seeks to promote and contribute to the competitiveness of businesses and entities in the advanced materials sectors, along with its associated technologies.

Clúster de Packaging

<https://www.packagingcluster.com/>

Group of companies, knowledge centers and entities belonging to the packaging value chain.

Clúster Digital

<https://www.clusterdigital.cat>

It brings together *start-ups*, SMEs, large companies and other entities to boost the competitiveness of the Catalan ICT sector.

Clúster Òptica i Fotònica - Secpho

<https://www.secpho.org>

Association formed by organisations that promote innovation through advanced technologies, such as photonics, artificial intelligence, quantum computing, robotics and drones, advanced materials or blockchain.

Secartys

<https://www.secartys.org/es/>

Business group dedicated to promote competitiveness and internationalisation of member companies.

B) DIGITAL RESOURCES

Manufacturing Global

<https://manufacturingglobal.com/>

Digital magazine specialised in the Manufacturing Industry 4.0.

Soloingeniería.net

<https://soloingenieria.net/foros/>

Meeting portal and forum for engineers.

DID YOU KNOW THAT...

Attending conferences and events is a **source of knowledge and interest** for any professional. Firstly, conferences and talks available usually shed light on **new trends** in the sector. Secondly, networking areas that are available in these type of events promote new **collaborations and professional opportunities**. All in all, they are a good way to keep yourself up to date and contact companies in your sector.

REMEMBER!

There are exhibitions held **outside of Catalonia** that might be of interest to you. Check their **websites**, get to know the **participating companies** and look out for **activities held online**.

FOCUSING

The **digital transformation** processes increases the demand for **profiles qualified in ITC and multidisciplinary professionals**.

06. Conferences and events

Advanced Factories

<https://www.advancedfactories.com/>

Exhibition dedicated to the automation industry. It is a meeting point for companies in Industry 4.0 in Europe.

Automobile Barcelona

<http://www.automobilebarcelona.com/>

The Barcelona Automobile Fair celebrated its centenary in 2019.

Best Solutions in Textile - BSTIM

<https://bstim.cat/ca/>

Professional exhibition held in Igualada. It aims to meet the provisioning needs of finished knitted garments for fashion brands and distributors.

EQUIPLAST Encuentro Internacional del Plástico y el Caucho

<http://www.equiplast.com/>

International plastics and rubber event.

Euro Thropex Barcelona

<https://www.trophex.com/euro-trophex>

Event aimed at the trophy industry, awards, engraving and personalization

EXPOQUIMIA Encuentro Internacional de la Química

<http://www.expoquimia.com/>

International chemistry event held triennially in Barcelona. It serves as a meeting point for industry and science.

Fira internacional de portes automàtiques - APA Expo

<https://www.apaexpopuertasautomaticas.com/>

Meeting point to present the technological innovations, architectural solutions, products and services of the sector.

Fòrum ETSEIB

<https://forumetseib.upc.edu/>

The ETSEIB Forum is a business event held at the Barcelona School of Industrial Engineering. Organised by students, it is aimed at the whole of the UPC, but mostly at those final year students and the ETSEIB Master's degree, with the aim of bringing students closer to the world of work. The main goal is to simplify the student-company connection.

Graphispag Barcelona

<https://www.graphispag.com/>

International exhibition of graphic communication and industry where solutions are offered from image capture to printing.

HEALTHIO Congr s Mundial d'Hospitals

<https://www.linkedin.com/company/healthioglobal/about/>

Event that unites citizens, medical innovations, professionals and companies to try and test pioneering industrial innovations applied to health.

Hispack

<https://www.hispack.com/ca/>

International exhibition of packaging, processes and logistics where packaging solutions are offered for industrial and consumer sectors, associated with the food, pharmaceutical, chemical, cosmetics and perfumery sectors, among other specialities.

IAAPA Expo Europe

<https://www.iaapa.org/expos/iaapa-expo-europe>

European exhibition for professionals in the leisure and the attractions' industry.

In-cosmetics

<https://www.in-cosmetics.com/>

International leading platform in the sector of cosmetic ingredients.

INDUSTRY From Needs to Solutions

<https://www.facebook.com/INDUSTRYFromNeedstoSolutions/>

Global forum for additive and advanced manufacturing, in which over 150 exhibitors display the best applications of advanced manufacturing (connectivity and data, new materials, automation and robotics, etc.).

IOT Solutions World Congress

<https://www.iotsworldcongress.com/>

Leading congress focused on IoT Solutions for the industry.

Metromeet

<https://metromeet.org/>

International conference on industrial dimensional metrology with headquarters in Bilbao.

Mobile World Congress - MWC Barcelona

<https://www.mwcbarcelona.com/>

World reference event of the Mobile Technologies Industry.

Motortec Madrid

<https://www.ifema.es/motortec>

International trade fair for the automotive service industry in Spain, held in Madrid.

STIBBCN - Sal  T xtil Internacional de Barcelona

<http://stibbcn.com/>

International exhibition for the textile industry held by Fira de Barcelona.