DIGITAL TRANSFORMATION MANAGER

DITRAMA

Digital Transformation Manager: leading companies in Furniture value chain to implement their digital transformation strategy

Industrial Internet of things, Big Data Analysis, Cloud Computing, Cybersecurity, Robotics, Virtual, Augmented and Mixed reality, Simulation Technologies, Blockchain, are upcoming technological solutions, that change our world, however they will also have a positive influence on furniture sector, our companies and our customers. In furniture sector we usually hear about innovative solutions, digitalisation, but in fact we don't know their real potential and we don't know how they should be implemented. In our sector we are not ready for execution of digital transformation- especially from the management point of view. Furniture companies have to answer the question, if they have specialists, that are fit for today's challenges and can successfully implement digital transformation.

Therefore, the international project DITRAMA was created. In this project 12 partners representing 8 European countries and their higher education institutes, businesses and trade unions will cooperate in realizing the outcomes in 36 months. When we talk about furniture sector and digital transformation, we have to keep in mind, that the key to digital transformation implementation is the availability of well-trained employees with digital qualifications and a leader for guiding and implementing the digital transformation at all levels in the compant. All European Union countries are facing a lack of digitally qualified employees in order to counter this, the consortium institutions such as: Project leader - CENFIM – Centre de Difusiò Tecnológica de la Fusta i del Moble de Catalunya (La Sénia – Spain), Aarhus Universitet (Aarhus – Denmark), Woodwize (Brussel – Belgium), CETEM – Centro Tecnológico del Mueble y la Madeira de la Región de Murcia (Murcia – Spain), U.E.A. – European Furniture Manufacturers Federation based in Prague (Czech Republic), AMIC – Associació Agrupació Moble Innovador de Catalunya (La Sénia – Spain), CFPIMM – Centro de Formação Profissional das Indústrias da Madeira e Mobiliário (Lordelo – Portugal), FederlegnoArredo – Federazione Italiana delle industrie del legno, del sughero, del mobile, dell'illuminazione, dell'arredamento (Milano – Italy), OIGPM – Ogólnopolska Izba Gospodarcza Producentów Mebli (Warsaw – Poland), Método Estudio Consultores – (Vigo – Spain), HOGENT – (Gent – Belgium), Universitatea Transilvania din Brasov (Brasov – Romania).

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DITRAMA aims to provide an innovative MOOC for managers (Digital Transformation Managers) to train them for successfully leading and implementi the digital transformation in furniture companies along the whole value chain.

Our strategic objectives are:

SO1 – Fine-tune existing skills related to industry 4.0 and the implementation of the digital transformation in furniture sector companies.

SO2 – Design and develop a new official curriculum for the furniture sector new occupational profile of the Digital Transformation Manager.

SO3 – Delivering a training course on a e-learning Platform (MOOC) in 7 European languages providing innovative learning materials satisfying skills needs.

SO4 – Test the MOOC among professionals and students of the furniture sector.

SO5 – Facilitate the official recognition across the EUof the new curriculum trough a MoU.

SO6 – Dissemination information about project outputs and outcomes across Europe.

SO7 – Ensuring the project sustainability and its impact after the end.

Activities in the project

In June, six months since the start of the activities, the partners met in Brussels during two days of workshops and meetings to deepen matters. During the first day, together with 12 external business experts oriented digitalisation processes and new technologies applied to production processes in the furniture sector, the results of a survey conducted among 144 experts from all over Europe about the importance of having skills in digital technologies for the furniture wood supply chain were analysed.

The priorities, to focus on, were: Internet of Things, Big Data, Cloud Computing and Internet of Things for the data collection, interpretation, storage, cybersecurity and general increase in technological development.

The next day, the work continued with the second partner Meeting. Partners have investigated in detail the Digital Transformation Manager Curriculum and the technical and non-technical skills required for this new professional occupation. The knowledge of new technologies applicable to the industrial processes of companies in the furniture sector (Cybersecurity, Internet of Things, Cloud Computing, Simulation, Big data, Augmented Reality, Autonomous Robots and Blockchain) will have to be combined with strong competences in Innovation, Communication, Management and Entrepreneurship, Emotional intelligence, Quality – Risk and Safety, Ethics.

It has to be underlined, that the problems, that our trade has, are not unnoticed by trade specialists...

"Digital transformation in furniture sector is a natural step of processes and operations development in companies. For 15-20 years CNC machines have been implemented to industry, gradually transport processes of elements between machines are automatized and robotized. Nevertheless, in incoming years there will be accelerated and automated the processes of production planning, supervision and reporting of machines state, digital design, as well as business operations processes, as information and communication exchange with business partners and inside companies. Digital transformation should prepare companies to effective work in situation of lower number of people in work market and in situation, when young people competences are changing. Today most people want to educate in the aspect of computer handling, not in woodwork."
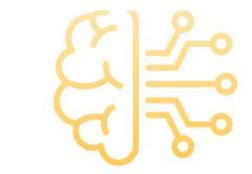
Ph. D Eng. Tomasz Wiktorski, B+R Studio President

Which qualifications and skills will have the digital transformation manager of DITRAMA project?

-First of all, he will support the company in evaluating the current situation and understanding its maturity level of digital transformation along the whole value chain (how advanced is implementation of Industry 4.0).

-He will describe and lead digital transformation strategy by selecting and successfully implementing processes in an integrated way along whole value chain, using suitable technologies, solutions, processes and systems.

-He will monitor the processes, identify the lacks in skills, and take the necessary activitions, that goal is their filling on actual technological level.

Therefore, the strategical goals of the projects are mainly:

-Identifying skills connected with Industry 4.0 and implementation of digital transformation in furniture sector companies.

-Creating a training programme for digital transformation manager.

-Sharing of training on e-learning platform in Polish, English, Italian, Spanish, Czech, Dutch, French, Romanian, Danish and Portuguese.

-Training testing.

-Dissemination of project results.

-Updating of training offers.

We proudly remind, that we already have the first results of our work! On the website of our project (www.ditrama.eu) you can find two reports:

-Skills fine-tune final report - It summarizes and concretizes on the outcomes of the DITRAMA fine-tune Needs Survey and their following discussion at the DITRAMA Experts workshop. It aims to specifically identify, which are the most needed: Technical and Industry 4.0 Technologies skills, No-technical skills and the biggest barriers for implementing Ind. 4.0 in furniture industry.

-Digital Transformation Manager Occupational profile final report - It contains the definition of the DTM – Digital Transformation Manager occupational profile agreed during the discussion at the DITRAMA Experts workshop. It includes a profile description, a detailed identification of the tasks expected and a list of the relevant skill of this occupational profile.

You are welcome to read it!

We kindly invite you for more detailed and specific information:

www.ditrama.eu