

DI4TEX

Fostering the digital transformation
in the textile industry



Co-funded by
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www.di4tex.eu

The textiles and clothing manufacturing sector in Europe is facing several challenges; owing to the financial crisis, the competition from emerging markets, the environmental demands, etc., and the crisis generated by COVID-19.

The sector, one of the largest and most important in Europe, needs to reassess its position by assuming the two drivers of competitiveness: **green transition and digital transformation.**

The main objective of DI4TEX is to foster the digital transformation of the textile industry by providing its employees with the required skills to face the current challenges of the sector.

Disclaimer

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Acknowledgement

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BRIEF COMPANY DESCRIPTION

Takumi is a precision engineering company based in the mid-west region of Limerick, Ireland. Established in 1998, we occupy a 50,000 sq. ft. custom-built state of the art facility. Our core business is providing manufacturing services to the Aerospace, Medical device and Industrial Engineering Sectors. The company employs 90 staff and has unrivalled expertise in the manufacture of low to medium volume precision components. Takumi has over 45 CNC machines covering a wide selection of capabilities and achieves an annual turnover of €10m.

CURRENT DIGITALISATION PROFILE

From 1998 to 2011, we used a combination of Big Red Book, Sage Line 50 and Microsoft Access. The challenges of these systems included double if not triple manual entry, numerous typos, orders were missed, orders were difficult to track and reliance on memory. For the business to grow successfully, we recognised the need for a one-stop fully integrated ERP system. Having selected a system, we implemented this change over 6 months and resourced with our in-house ERP Expert. As the business continued to grow so did the volume of data we were managing. We developed it out to automate processes such as Order Entry and Internal Processes. We integrated our data into a live data system used widely across the business. Data is created by daily interactions with the ERP system:

- Production Started → Operator Clock In
- Gone to Subcontract → Purchase Order Placed

DIGITAL BEST PRACTICE AND LEARNINGS

If the data is not there, design a function to create the data i.e., a tick box. Once you have the data you can do whatever you want:

- Must be intuitive & Fast
- Touch Screens to be used
- Invest internally and externally in software developers

IMPACT AND OUTCOMES

Integrated with our Customers data, we designed a part gate system called "The Exceptions Screen" which looks at each step in the life cycle of a part. Created a gate for each of these steps and defined the rules for each of these gates. This highlights the parts not obeying the rules and we only discuss what is an exception. We now have a relevant data capture tool that is easy to see and understand. The data system is live and visible on a mobile device so accessible to all. The data is fast and the system is designed essentially so that it works intuitively. Moreover, this works on a touch screen making the data more accurate and makes life easier.



Donal Galligan
CEO

Using data-driven insights to understand customers and feeds into business strategy enables hyper-personalization, relevancy, real-time feedback and agility. This involves us making better use of big data by pulling it together from many sides of the business to help drive the transformation journey.

GET INVOLVED – DI4TEX

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OBJECTIVES OF THE PROJECT



To detect the **specific needs** and **lack of skills** in the textile industry to make the digital transformation possible.

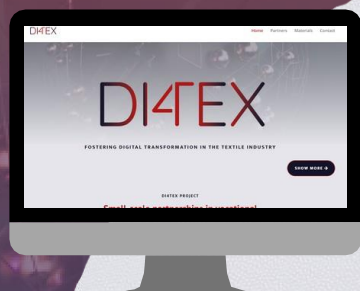


To create a **virtual training programme** to provide the required knowledge and skills.



To test **transnational partnership** which can be sustained beyond the project to jointly face the common challenges of the textile industry.

Technology is the enabler and people are the leaders



Visit our virtual training programme

<http://www.di4tex.eu>



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