



Fostering diGitalisation and blonic transformation of SMEs through the development of a novel and innovative Training material for overcoming COVID-19 crisis – GIST

Radmila Ustych, InnovaWood 25/05/2023









UNLOCKING THE POWER OF INNOVATIVE LEARNING TOOLS

for bionic transformation



WELCOME

Furniture education going digital Radmila Ustych, InnovaWood

BIONICAL DIGITAL TRANSFORMATION FOR SMES. OVERVIEW OF GIST E-LEARNING TOOLS.

Radmila Ustych, InnovaWood

digiNEB.eu: BEST PRACTICES, TRAININGS AND DIGITAL SOLUTIONS FOR THE **NEW EUROPEAN BAUHAUS ECOSYSTEM**

Maria Giuffrida, Trust-IT Services

16:15 Questions and answers Looking ahead: open discussion

END OF EVENT





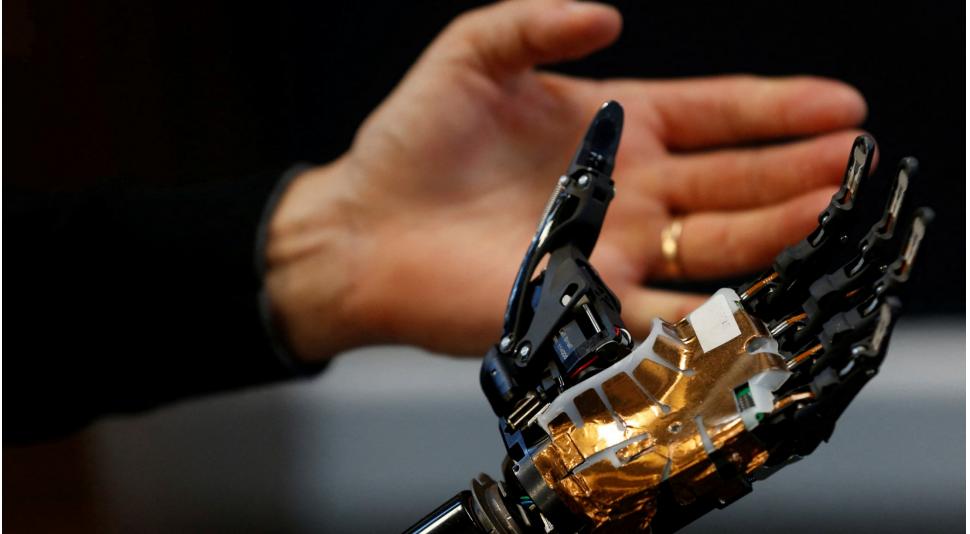


























(Cist



What is BIONIC COMPANY?

Menti.com













OBJECTIVE



The main objective of the GIST project is to develop and implement an innovative training material for SMEs, which will provide them the basic competences to reach a "bionic status".

BIONIC company

Bionic is a company which is capable of combining

- > technological aspects,
- > human creativity,
- > transversal and leadership skills

to achieve more productive operations and greater innovation.























Fostering diGitalisation and bIonic transformation of SMEs through the development of a novel and innovative Training material for overcoming COVID-19 crisis

Erasmus+ project 2020-1-DE02-KA226-VET-008154 06/2021 – 05/2023 (2 years)

Coordinator: Karlsruhe Institute of

Technology KIT, Germany

Consortium: 6 partners in 6 countries



















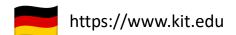
Training material for companies in wood & furniture to reach bionic status

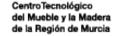


Fostering diGitalisation and blonic transformation of SMEs through the development of a novel and innovative Training material for overcoming COVID-19 crisis – GIST

















https://www.globalnet.com.pl













https://www.stp.si/about-us.html













GIST Training Path Definition

- ✓ Gaps and needs.
- ✓ Learning Outcomes.
- ✓ Analysis of the results.
- ✓ Target groups.
- ✓ Learning Pathways.
- ✓ Joint Curriculum.



IO1.A3: Definition of Training Path and Methodologies



Development of 5 Training Units:

- √ 18 Learning Units
- √ 18 Power Points
- √ 18 Infographics
- ✓ 17 Videos
- ✓ Evaluation questions
- ✓ In 7 languages
- ✓ Free access





- e-Learning platform:
- ✓ Multilanguage
- ✓ Training contents
- ✓ Evaluation tools
- √ Gamification
- ✓ Micro-learning

Verification actions:

Stakeholders will carry out the course to evaluate the contents and the platform.

















Company BT Facilitator



Hours: 84 ECVET: 3,36 General BT Facilitator

Total Learning Hours: 128



Hours: 82 ECVET: 3,28 Facilitator for BT fostering



Hours: 80 ECVET: 3,20

LU1. What is bionic transformation?

LU3. 3DP printing and custom

manufacturing

1U4. Robotics

LU5. Cloud Services

LU6. Augmented and virtual reality

LU7. Big Data

LU9. Design & Strategic Thinking

LU11. System Thinking

LU13. BT Funding Opportunities

LU15. Making a Bionic Transition

LU16. Innovation Uptake

LU17. Leadership

LU18. Intercultural Mediation

LU1. What is bionic transformation?

LU2. Technological drivers of bionic transformation

LU8. Communication & Brainstorming

LU9. Design & Strategic Thinking

LU11. System Thinking

LU13. BT Funding Opportunities

LU15. Making a Bionic Transition

LU16. Innovation Uptake

LU17. Leadership

LU18. Intercultural Mediation

LU1. What is bionic transformation?

LU2. Technological drivers of bionic

transformation

LU8. Communication & Brainstorming

LU10. Collaboration & Decision making

LU11. System Thinking

LU12. BT support environment

LU13. BT Funding Opportunities

LU16. Innovation Uptake

LU17. Leadership

LU18. Intercultural Mediation







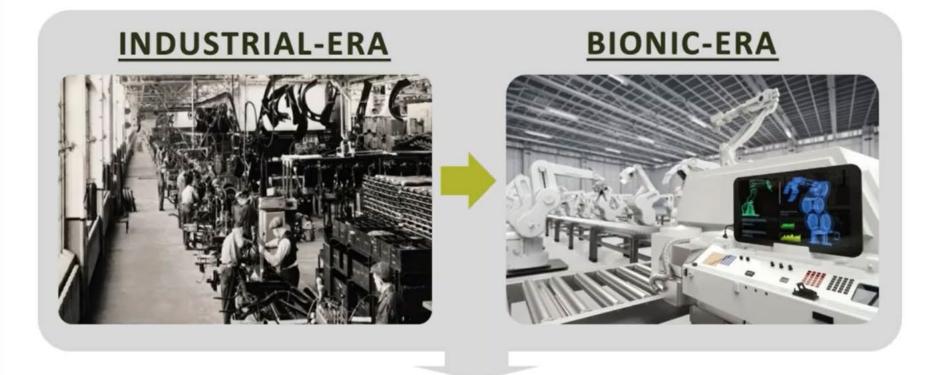






As we move from Industrial to Bionic era we are entering a new realm of human machine interaction





BIONIC ORGANZATION

Firms that find the optimal fusing of people and machines -- is the dominant competitive form today and in the future.

Source: IXL Center Dr. John Sviokla













Tesco Homeplus virtual subway stores in Korea took supermarkets to people by creating a more interactive and hassle free shopping experience





How to grow without increasing number of retail stores?

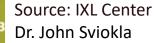
Solution: Virtual store on Subway station with bar codes and mobile application for online delivery

Outcomes: Online membership increase 76% and online sales increased by 130%

Source: Business Today



















7. DIGITAL TRANSFORMATIONS STUDY CASE #6: BELGIUM





What did the transformation bring to the company (what changed)?

- Van Hoecke's transformation story is a true success. Over the past 5 years, their turnover increased by 23%, their staff increased by no less than 75% (from 114 to 225 employees).
- In the meantime, 43,000,000,000,000 (yes, 43 thousand billion!) different combinations
 can roll off the production line with an average turnaround time of just three days. As a
 result, Van <u>Hoecke is able to</u> deliver to 4000 customers every day. This means 70 tons of
 furniture fittings and more than 9000 pallets.
- Moreover, due to the implementation of their 'online configurator', there are no longer any intermediate stocks.



Source: vanhoecke.be

Source: gistproject.eu













In the Bionic Era three new forms of capital behavior, cognitive and Network have emerged to create and capture new value



Behavior Capital



Behavior Capital is the collection and modeling of the behaviors of people, companies, and things – natural and man-made.

Cognitive Capital



Cognitive Capital is the set of algorithms (both transparent and opaque) to make decisions, or to start a machine learning process where the machines can learn on their own.

Network Capital



Network Capital is the number and structure of the connections in a network

Source: IXL Center Dr. John Sviokla



















Uber

























How do you prepare yourself to be

BIONIC

















Bionic Transformation Facilitator

https://gist-project.eu

We now turn to the e-Learning platform for a detailed presentation





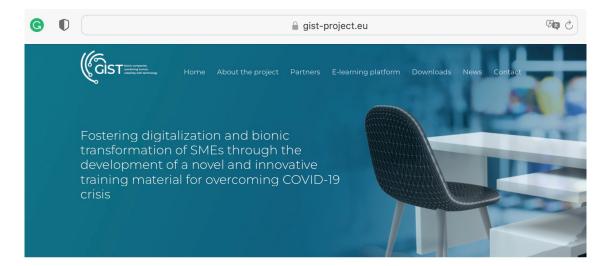












GIST project, funded by Erasmus+ program from innovative training e-course for SMEs to reach

What is Bionic company?

Bionic is a company which can combine technological aspects, human creativity, transversal and leadership skills to achieve more productive operations and greater innovation.



Bionic companies

Bionic may sound very futuristic, however bionic companies can also be found in traditional industries (like furniture industry). These companies are complementing their successful business processes with farreaching digital transformations to reposition their competitive capabilities for a immediately evident nor easy to implement. bionic future.



Elements of bionic companies

Many of the elements of bionic companies are well known: technological solutions and technical skills related to industry 4.0, creativity, communication and leadership skills among them. But the formula for putting them all together is neither



GIST approach

We believe the GIST approach to building bionic companies in the furniture sector relies on strengthening both technical and soft skills and the leadership qualities of the staff. Companies that understand how to lead a bionic transformation can make rapid process and create substantial value.



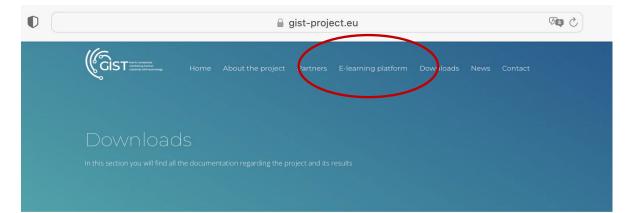












Dissemination materials		Intellectual outputs			
GIST project leaflet	Download	IO1 A1 Key study on current skills, knowledge and qualifications regarding digitalisation (ENG)	Download		
CIST project rollup		Summary in English	Download		
GIST project rollup	Download	Summary in Spanish	Download		
		Summary in Croatian	Download		
GIST project poster	Download	Summary in German	Download		
		Summary in French	Download		
Course "Facilitator of Bionic Transformation" in brief	Download	Summary in Polish	Download		
		Summary in Slovenian	Download		
Newsletters					
Newsletter 1	Read more	IO1 A2 Learning Output Definition	Download		
Newsletter 2	Read more	IO1 A3 Definition of Training Path and Methodologies	Download		
Newsletter 3	Read more	IO1 A3 Definition of Training Path and Methodologies revised and extended	Download		



















GO TO gist-project.eu

E-LEARNING PLATFORM

REGISTER IN E-LEARNING PLATFORM

GO

Losglobos

FORM	
Please, enter valid details: your first name, surname, a new password. Note that you will not be able to change the login or edit or the surname while using the platform.	
required fields	
First name:*	
Surname: *	
E-mail address:*	
Choose the language of the course:*	
English	~
Login: * ATTENTION: Note that your Login ends with "@gt". You login by email. Password: *	@gt
Confirm password:*	
The administrator of your personal data is Globalnet Sp. Zoo. at ul. Ratajczaka 20/18A, postcode 61-815 Poznań Poland i agree to the processing of my personal data as part of the n by Globalnet Sp. Zoo. with its registered office in Poznań, ul 18A, postal code 61-815 Poznań ("Globalnet").: *	narketing formula
☐ I agree to receive marketing information sent by Globaln communication (e-mail) to the e-mail address formula provided register. ☐	d by myself in the



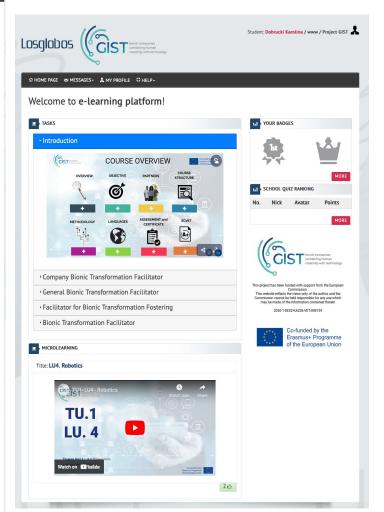
This project has been funded with support from the European Commission.

This website reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein

2020-1-DE02-KA226-VET-008154





















Total Learning Hours: 128 Total ECVET: 5,12

EQF level 4

(CIST

Company BT Facilitator



Hours: 84 ECVET: 3,36

General BT Facilitator



Hours: 82 ECVET: 3,28



Facilitator for BT fostering

Hours: 80 ECVET: 3,20

1:14.0gies

U1. What is bionic transformation?

LU3. 3DP printing and custom

manufacturing

LU4. Robotics

LU5. Cloud Services

LU6. Augmented and virtual reality

LU7. Big Data

LU9. Design & Strategic Thinking \(\cdot\)

LU11. System Thinking

LU13. BT Funding Opportunities

LU15. Making a Bionic Transition

LU16. Innovation Uptake

LU17. Leadership

LU18. Intercultural Mediation

LU1. What is bionic transformation?

LU2. Technological drivers of bionic

transformation

LU8. Communication & Brainstorming

LU9. Design & Strategic Thinking

LU11. System Thinking

LU13. BT Funding Opportunities

LU15. Making a Bionic Transition

LU16. Innovation Uptake

LU17. Leadership

LU18. Intercultural Mediation

LU1. What is bionic transformation?

LU2. Technological drivers of bionic

transformation

LU8. Communication & Brainstorming

LU10. Collaboration & Decision making

LU11. System Thinking

LU12. BT support environment

LU13. BT Funding Opportunities

LU16. Innovation Uptake

LU17. Leadership

LU18. Intercultural Mediation

TU-5: Culture



























Bionic Transformation Facilitator

https://gist-project.eu

We now turn to the e-Learning platform for a detailed presentation





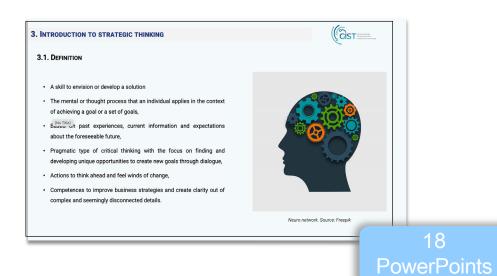








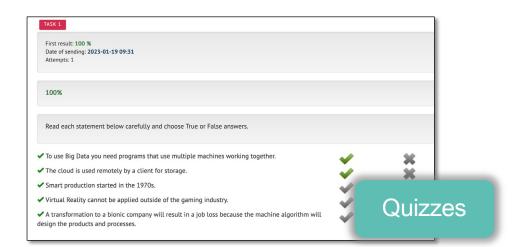








ŠTAJERSKI TEHNOLOŠKI PARK



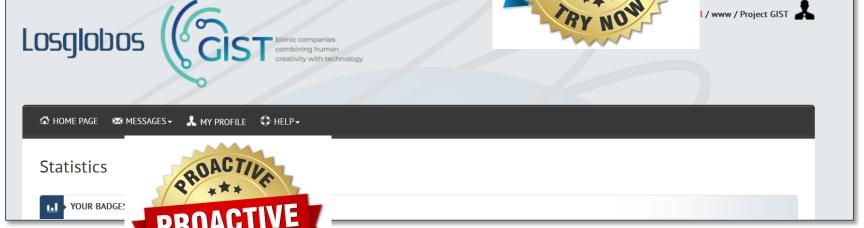


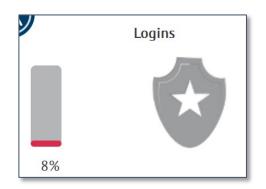
COMPETITION

LOOK OUT FOR THE BUTTONS









MANAGER MANAGER		PROACTIV	POACTIVE		BOARD MEMBER			
No.	Nick	Avalai	POIIILS	No.	Nick	Avatar	Points	
1	Julia L.	*	2735	1	Mikołaj S.	*	988	
2	lga O.		1167	2	Wojciech S.	*	938	
3	Adam M.	*	756	3	lga O.		871	
4	Edyta B.	*	714	4	Edyta B.	*	796	
5	Wiktoria W.		545	5	Julia L.	*	783	









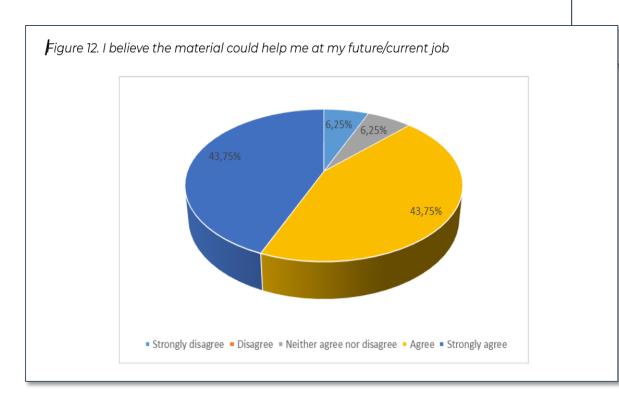


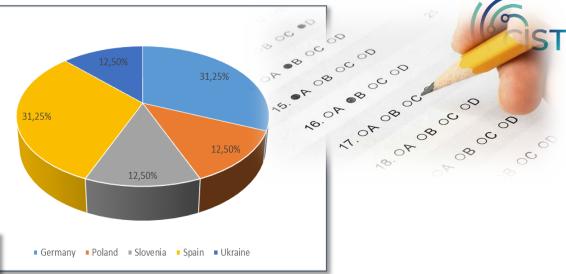




STUDENT FEEDBACK

WHAT IS YOUR EXPERIENCE WITH THE COURSE

























Certificate of Completition awarded to

dana drozdova

to certificate the completition of the course

Company Bionic Transformation Facilitator

With a duration of 84 hours

April 14th, 2023

The European Commission's support for the production of this publication does not constitute an endorsement of the contents which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.









































DIGINEB



Your opinion

https://forms.gle/4nWiNLPi3h6oPu7eA





- Make the learning easier both for teacher and trainer through digital tools
- Complements the traditional course
- Can be used to offer on-demand and personalized training pathways for everyone who is interested
- Good also for workplace-based training

Gist-project.eu













REGISTER IN E-LEARNING PLATFORM





Your

BIONIC

journey

Conclusions.



Your BIONIC journey



Go beyond technology

Operate processes -> design processes

Focus on customer and customer experience



Bionic is a company which is capable of combining

- > technological aspects,
- human creativity,
- > transversal and leadership skills

to achieve more productive operations and greater innovation.

- = What do you know about your customers' behavior (or that of the end-users in your sector)? Do you capture it, analyze it, and model the ways it might change?
- = What can you automate using AI and advanced analytics?
- = How can you build a complex, effective network?

Source: IXL Center Dr. John Sviokla





















https://gist-project.eu



https://www.linkedin.com/company/gist-project/















Thank you



Radmila Ustych 25/05/2023

