



## NEWSLETTER ISSUE 4



### MAIN PROJECT INFO

**Title:** Specialist in 3D printing - specialized training in application of 3D printing and practical use of acquired knowledge

**Acronym:** 3DSPEC

**Contract:** 2016-1-PL01-KA202-026335

**Duration:** September 2016 - August 2019

**Consortium:**

- ♦ **KOMAG:** Institute of Mining Technology KOMAG, Gliwice, Poland - **the coordinator**
- ♦ **PCKZiU:** District Centre for Vocational and Continuing Education, Wodzisław Śląski, Poland
- ♦ **IBV:** Biomechanics Institute of Valencia, Spain
- ♦ **EXOVITE:** Exovite Hermo Medical Solutions, S.L., Spain
- ♦ **SCV:** School Centre Velenje, Slovenia.

### WELCOME

Welcome to **the fourth 3DSPEC newsletter** which will provide you with the most important information and latest news regarding the **3DSPEC project**.

**Detailed information** on the 3DSPEC project – activities, events, products etc. you can find on the **project website** [www.3dspec.eu](http://www.3dspec.eu). We hope you'll find the project and its products interesting and useful in your professional practice, and beyond.

*3DSPEC Team*

### HOW CAN THE 3DSPEC PROJECT IMPROVE YOUR PROFESSIONAL FUTURE?

3D printing becomes **popular in more and more branches** due to **wide opportunities** it gives. That is why abilities to apply this technology **in professional practice** became **recommended and expected**, and we should take it for granted that it will stay that way for a long time.

#### MASTERING OF 3D PRINTING IS AN INVESTMENT IN PROFESSIONAL FUTURE

Within 3DSPEC we will develop **free, on-line course** which will provide trainees with **knowledge and skills** necessary for **use of 3D printing technology** in activities related with **design, education and health care** as well as in sample activities conducted by **SMEs**. Due to versatility of 3D printing, a large part of the training materials can be **useful also in other professions**.

#### 3DSPEC COURSE WILL TEACH YOU HOW TO USE 3D PRINTING IN YOUR PRESENT OR FUTURE PROFESSIONAL TASKS

The first version of the course will be available in English and the final version: in **English**, **Polish**, **Spanish** and **Slovene**.

There will be **two main parts of the training**:

- ◆ **online 3DSPEC course** - via which you'll learn how 3D printing works and how it can be used in professional practice; **solid theory** as well as **application examples** and **instructions** to follow will be given,
- ◆ **Internet platform for ordering 3D printing** on 3D printers available in 3D printing centre – via which you'll **make your sample printouts** and this way **practice** what you've learned.

## WE ARE STARTING PILOT TESTS OF THE ONLINE 3DSPEC COURSE

YOU WILL **LEARN** FROM OUR COURSE:

- what 3D printing is
- where and how 3D printing can be applied
- how to make your own 3D printouts
- how to construct a 3D printer
- what 3D printing related terms mean.

### The whole 3D printing process

from idea of an object via its 3D model,  
input file for a 3D printer and post-  
processing of the 3D printed object

**will be explained and demonstrated  
to you!**

YOU WILL LEARN HOW TO **APPLY  
3D PRINTING IN PROFESSIONAL TASKS**

- RELATED WITH:
- design
  - healthcare
  - education
  - SMEs operation

**TAKE YOUR CHANCE!**

VISIT OUR WEBSITE **3DSPEC.EU**  
FOR MORE DETAILS

## NEWS: DISSEMINATION OF THE PROJECT RESULTS

- ◆ 23 July 2018 – The 3DSPEC products promoted by KOMAG during **presentation** at **AHFE 2018 conference**. Place: Loews Sapphire Falls Resort, Universal Studios Orlando™, Florida, USA.



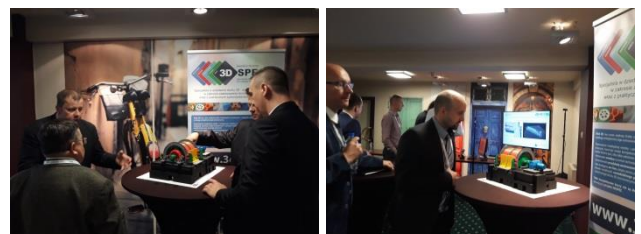
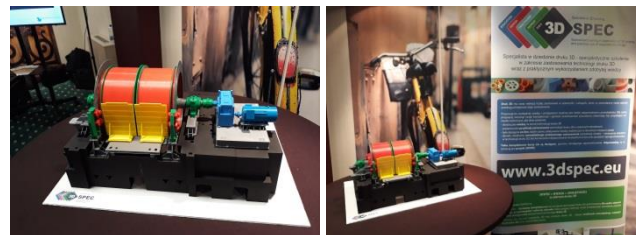
Also **article** about the 3DSPEC course was **published in the conference proceedings**.

### Specialized Training in 3D Printing and Practical Use of Acquired Knowledge – 3DSPEC Online Course

Dariusz Michalak<sup>1(✉)</sup>, Magdalena Rozmus<sup>1(✉)</sup>, Juan Gomez<sup>2</sup>, Miran Papež<sup>3(✉)</sup>,  
Viljem Osojnik<sup>3(✉)</sup>, Diana R. Bueno<sup>4(✉)</sup>, Grzegorz Świerczek<sup>5(✉)</sup>,  
and Ewelina Limanowska<sup>5(✉)</sup>

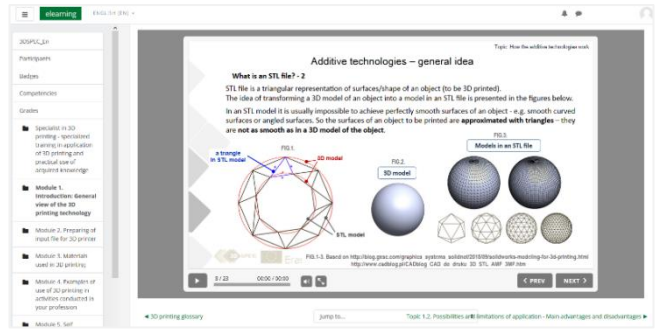
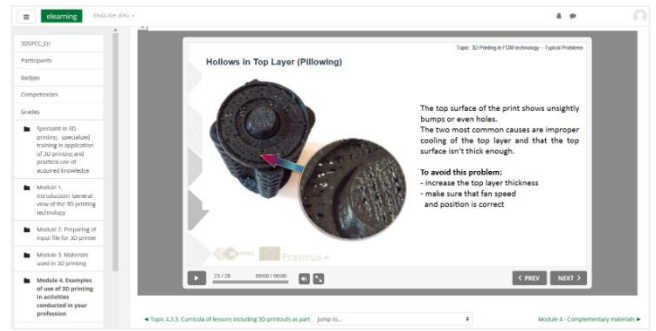
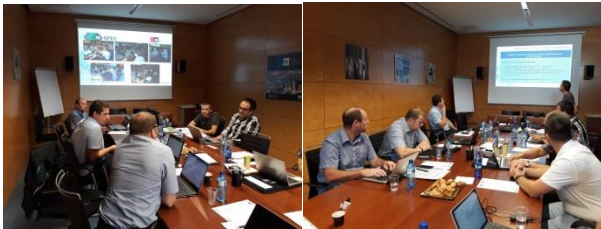
- ◆ 25-26 September 2018 – The project products were promoted at **conference KOMTECH 2018**. Place: Szczyrk, Poland

The 3DSPEC project was promoted by **roll-up** with description of the project results and by a **3D printed model of machinery subassembly**. The model is a sample of large scale 3D printout, which is particularly useful for presenting models of industrial machines.

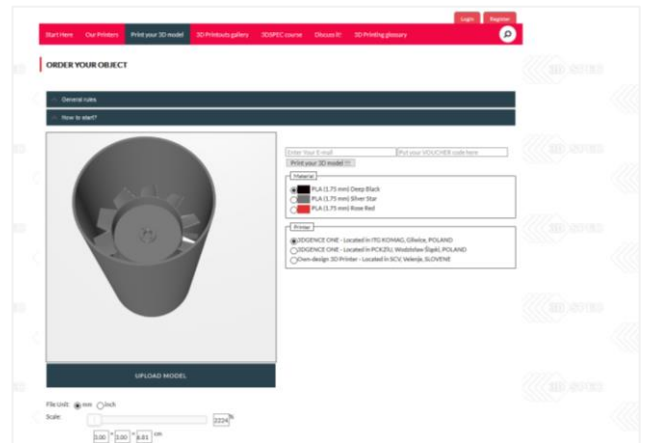


## NEWS: PROJECT MEETING

- ◆ 18 September 2018 - **PROJECT PROGRESS MEETING** in **IBV**. Place: Valencia, Spain. The **3DSPEC consortium** discussed **current situation** of the project and **future activities**. The **Steering Committee** and the **Quality Committee** also met.



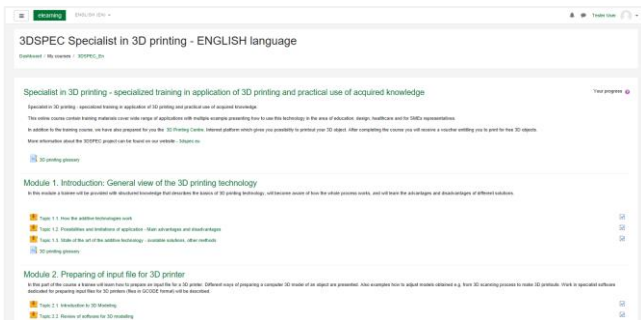
3DSPEC course – sample screenshots



Internet platform for 3D printing – sample screenshot

## CURRENT ACTIVITIES

- Now we are finalizing work on development of:
- ◆ **e-learning platform** with the **3DSPEC course**
  - ◆ **Internet platform** for doing 3D printing on machines in the **3D printing centre**.



## CONTACT INFO

**Project Coordinator:**

Dariusz Michalak, Ph.D., KOMAG

e-mail: [dmichalak@komag.eu](mailto:dmichalak@komag.eu)

[3dspec@komag.eu](mailto:3dspec@komag.eu)

www: [www.3dspec.eu](http://www.3dspec.eu)

Facebook: [www.facebook.com/3dspec/](https://www.facebook.com/3dspec/)