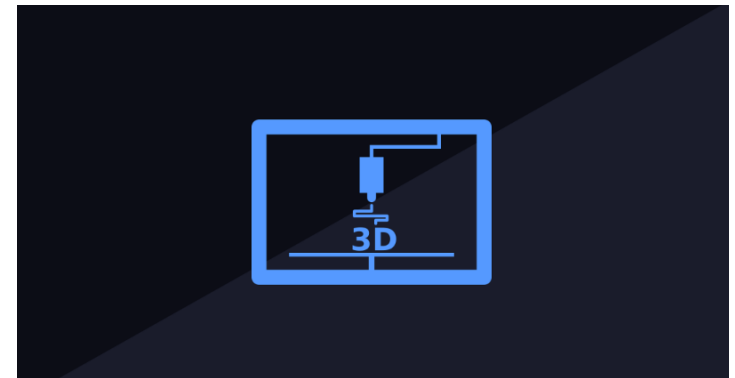


ERASMUS PLUS PROGRAMME  
KA2 – Cooperation and Innovation for Good Practices  
Strategic Partnerships for Vocational Education and  
Training  
PROJECT NUMBER – 2020-1-DE02-KA202-007530

# Entrepreneurs in creative industries

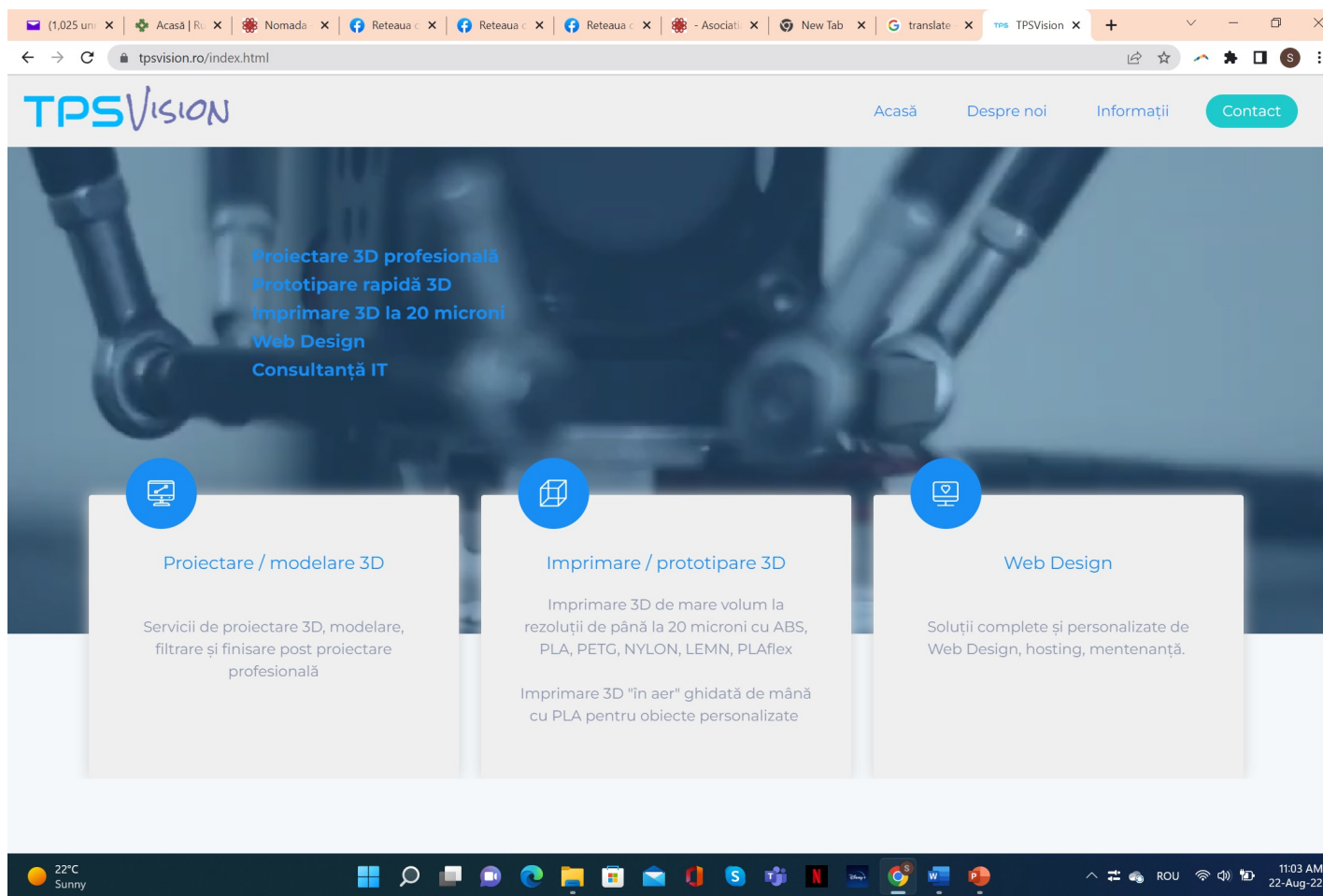
- model of good practices –  
SC. TPS Vision – SRL  
-3D printing-



In 2016, seeing that there was a new field in demand, but no one was offering these services, the company was founded, thus introducing large-scale 3D printing, locally.

Among the design, modeling, post processing services, the company also works with the client's material. From small common objects, to prototypes of saline solutions and turbines, the company has collaborated with clients from the hotel industry, photo, automotive, medical fields, light industry, as well as small clients who want to order a customized object.

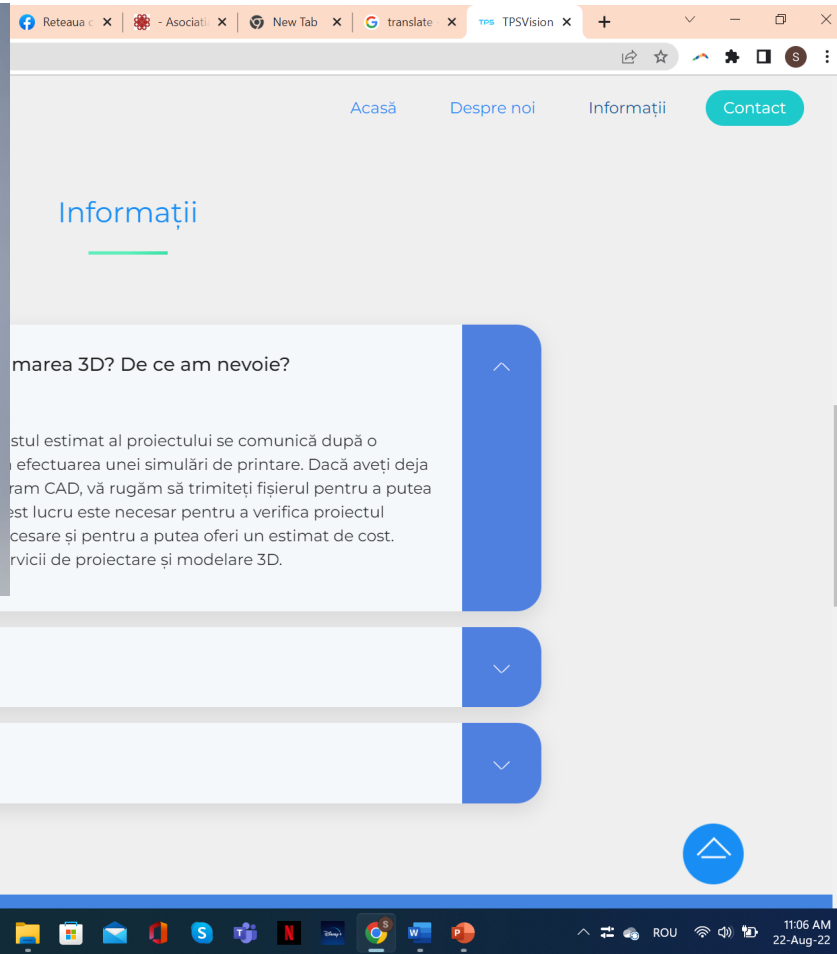
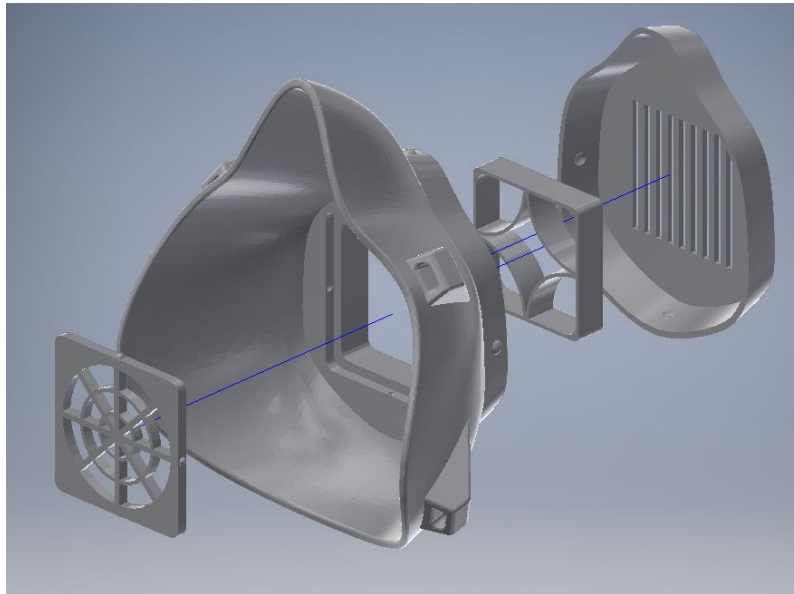
# - model of good practices - SC. TPS Vision - SRL



– model of good practices –  
SC. TPS Vision – SRL

- ▶ The company has also created objects that cannot be found on the market, for example a narrow vacuum cleaner nozzle that enters the slots of the radiator, sucking the dust, as well as a piece for a professional camera that is in great demand.
- ▶ The process is extremely simple, the customer comes with the model already designed, or we design it, the customer chooses the desired material for printing, and within a few hours (or days, depending on the size of the project) the product can be picked up / shipped.

# - model of good practices - SC. TPS Vision - SRL



The image shows a 3D CAD model of a mechanical part on the left and a screenshot of the TPS Vision website on the right. The website is displayed in a browser window with the URL <https://www.tpsvision.ro/index.html#extAccordion8-6>. The website has a navigation menu with links for "Acasă", "Despre noi", "Informații", and "Contact". The main content area is titled "Informații" and contains a section titled "Proiectarea 3D? De ce am nevoie?". Below this section are three expandable cards: "Vreau un site web", "Unde vă găsec?", and "Proiectarea 3D? De ce am nevoie?". The website is in Romanian.

Proiectarea 3D? De ce am nevoie?

Costul estimat al proiectului se comunică după o efectuarea unei simulări de printare. Dacă aveți deja un model CAD, vă rugăm să trimiteți fișierul pentru a putea realiza o simulare. Acest lucru este necesar pentru a verifica proiectul înainte de a începe și pentru a putea oferi un estimat de cost. Dacă nu aveți un model CAD, vă oferim servicii de proiectare și modelare 3D.

Vreau un site web

Unde vă găsec?

11:06 AM  
22-Aug-22

– model of good practices –  
SC. TPS Vision – SRL

- ▶ For actual printing, filaments from several materials are used, the most common being the PLA, PET, ABS composite, but also materials such as wood, metal, rubber, etc.
- ▶ No project is the same, printer and software settings need to be adjusted with each print.
- ▶ For personal and hobby use, you can use the free versions of the printing software, but the results are often below expectations. This is a commercial, professional solution, that offers perfect results, ideal for customers in the medical, engineering, hotel industry, especially on Cartesian printers.

- model of good practices -  
SC. TPS Vision - SRL



<https://youtu.be/Sbje64XsGMs>

– model of good practices –  
SC. TPS Vision – SRL

- ▶ It is the same with the design. Usually, the design takes longer than the printing, but for a perfect result, you have to work meticulously, there can be no room for errors. A tenth or even a hundredth of a millimeter of free space left by mistake in the project can have disastrous results when the object is printed. Therefore, there is no room for error.
- ▶ 3d printing is in great demand, TPS Vision opening this niche in 2016 and introducing the 3d printing service on a large scale in the Transylvania area, working with local clients, but especially with international clients, always getting results in line with the expectations.



Model of good practices – Colegiului Tehnic Anghel Saligny – Baia Mare

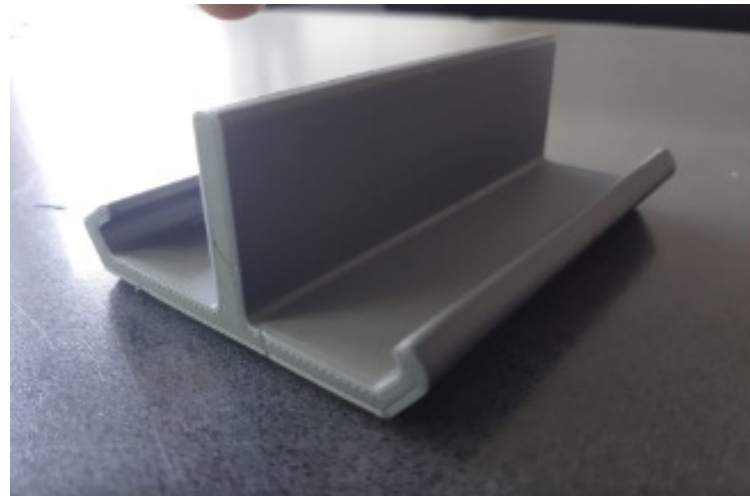
**In 2021 within a project co-financed from the European Social Fund through the Human Capital Operational Program 2014-2020 with the name**

**"Successful careers through internships and professional guidance" have entered the CTAS endowment with equipment for equipping a SmartLab, including a 3D printer.**

**The students showed a special interest in the 3D printing equipment and computer-aided processing, some of them showing their intention to start a business in the field, after graduating from school.**

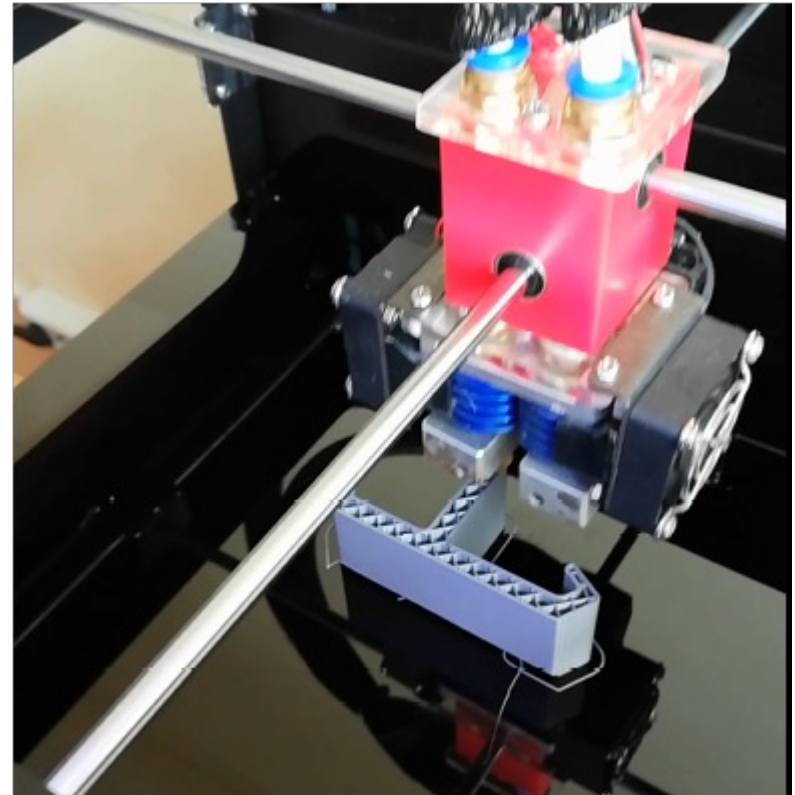
Images of 3D printing products made by the students of the Technical College "Anghel Saligny"

<https://youtube.com/shorts/1O3awIRce0s?feature=share>



# Images of 3D printing products made by the students of the Technical College "Anghel Saligny" – Baia Mare

<https://www.youtube.com/shorts/DD3x0FIQK7U>



Thank you for your attention!!!