

#STRUKA

virsabi



EFW

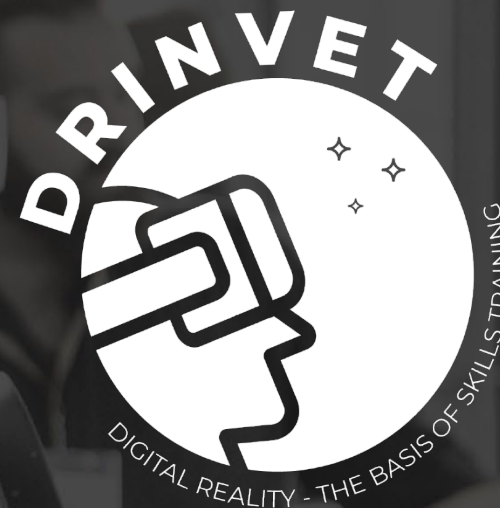


AT
AUGMENTED
TRAINING

LVE
Learn Virtual Europe

SVS X ASS

Professional integration of autistic
people thanks to MIMBUS
Discover and more European good
practice examples using virtual
reality training tools in VET



Co-funded by the
Erasmus+ Programme
of the European Union

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.

Project No. 2020-1-HR01-KA226-VET-094650



Testimonials



TESTIMONIALS

"This workshop is really great! It should not be limited to the ULIS classes but should be extended to all classes of 4e and 3e. Young people need this type of solution to discover the possibilities open to them." Principal of a secondary school in France.



"During a workshop, a student finished an exercise, put the helmet down before going to her teacher and saying:
-I want to do an internship in mechanics.
It is in these moments that these workshops take all their meaning."

Laurent Peytavy, head of OTEMA – TSA.



Customer history



CUSTOMER HISTORY

OTEMA – TSA presents itself as an innovative structure in the world of autism. OTEMA's mission is to accompany autistic people in their professional integration and mobility.

In addition, Laurent Peytavy, the manager, has developed a workshop of job discovery in Virtual Reality for ULIS classes in secondary schools of France.

At the initiative of the OF2I project, he goes to their classes with MIMBUS Discover to make them discover trades using VR. Thus, they can discover different work environments, explore them and manipulate the tools that make them up.

Laurent tells us how this workshop opens the field of possibilities for them.





Challenges



CHALLENGES

1

Convinced that new technologies can greatly help the disabled community, he wishes to contribute by proposing innovative solutions that can help this public to integrate professionally.

2

Promoting the professional integration of disabled and autistic people through workshops to discover a profession. These workshops must be accessible to all by ensuring that everyone is an actor in the experience proposed. It is also important to offer a wide range of jobs to reach all students.



Journey to find the solution



JOURNEY TO FIND THE SOLUTION

It was during an exchange in our offices with Laurent Da Dalto, President of MIMBUS, that the two leaders had the idea of going directly to the ULIS classes to offer them these workshops. It is by going to their comfort zone that they could encourage the maximum adhesion of the students to these workshops. They are more confident and able to take part in new experiences that take them out of their daily lives.





Solutions found and implemented



SOLUTIONS FOUND AND IMPLEMENTED



The main goal of this project was to find a solution allowing to easily make discover several trades. Laurent Peytavy chose MIMBUS Discover because it allows to dive into about 15 different jobs and this number will continuously increase.



In addition to MIMBUS Discover, Laurent Peytavy has equipped himself with zSpace, a 3D computer that allows him to learn about the welding profession, as well as another Virtual Reality software that allows him to discover different professional environments.



Having multiple headsets and different solutions keeps all the students busy at the same time. They are all active and transported into worlds they do not know. They are very quickly captivated, which leaves no room for them to drop out.





Benefits, valuable outcomes and results

- ✓ The panel of professions to discover is wider. It opens up even more the field of possibilities while varying the formats. All the students can find the right fit!
- ✓ The learning curve is faster and more efficient. Students are less discouraged and take ownership of the material. Better conditions for talent detection.
- ✓ All students become actors. They are all involved and live the experience to the fullest.
- ✓ Students are successful in the exercises and feel able to succeed.
- ✓ The technology presented is out of the ordinary. While they are used to discovering technologies, especially through video games, this time they are the ones who are pushed and who discover. The adhesion is very strong.





Future plans for the solution



FUTURE PLANS FOR THE SOLUTION

Adding additional trades is Peytavý's main request. It is very important to make the experience even more complete and to meet everyone's expectations.

Why not also extend this type of workshop throughout France or to all classes of 4e and 3e?





Mimbus Discover references



Regional association for the inclusion and professional talent detection of the autistic population.

Using VR, the idea is to prove the real manual capacities and dexterity of disabled population by autism spectrum disorder. The program includes a specialized trainer, Trades discovery VR contents, and Vulcan for analytics.

Educational tools:

Workshop in a box, Mimbus Discover

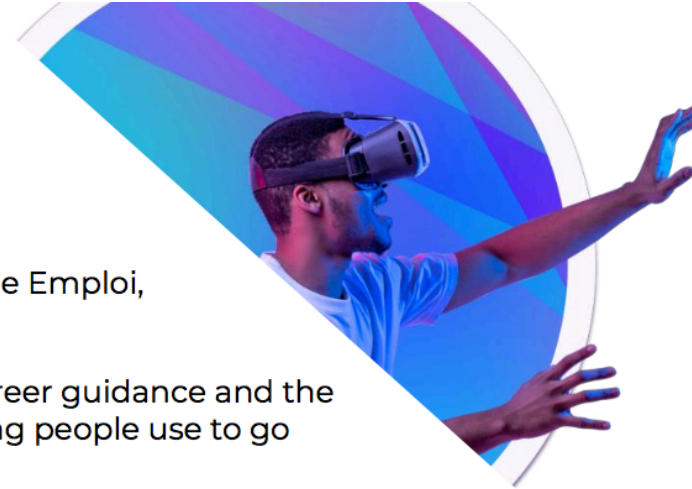
Benefits:

- +1000 disabled student from Mid-School evaluated in 2022
- 30% succeeded an integration thanks to the VR training

<https://www.otema-tsa.fr/articles/87910-la-mallette-vr-bientot-operationnelle>



Mimbus Discover references



Job attractivity program launched by Pole Emploi,
the French recruitment agency

The strategy is about to bring the best career guidance and the
first job discovery into a place where young people use to go
with VR room, games and simulators

Educational tools:

Workshop in a box, Mimbus Discover, 360trades videos

Benefits:

- Detect talents and reveal passions (Pilot centre installed in a Mall in Paris)
- Feed careers that suffer from shortage of workforce
- Highly efficient : deployment all over the country in 2023

<https://yookan.io/>



Mimbus Discover references



Compagnons
du Tour de France
FÉDÉRATION COMPAGNONNIQUE

High skilled training center for construction and historic French patrimony heritage

The VR solutions as been integrated for efficient risks training sessions in construction and trades discovery for career guidance

Educational tools:

Workshop in a box, Mimbus discover, electrician training, scaffolding, site risk management

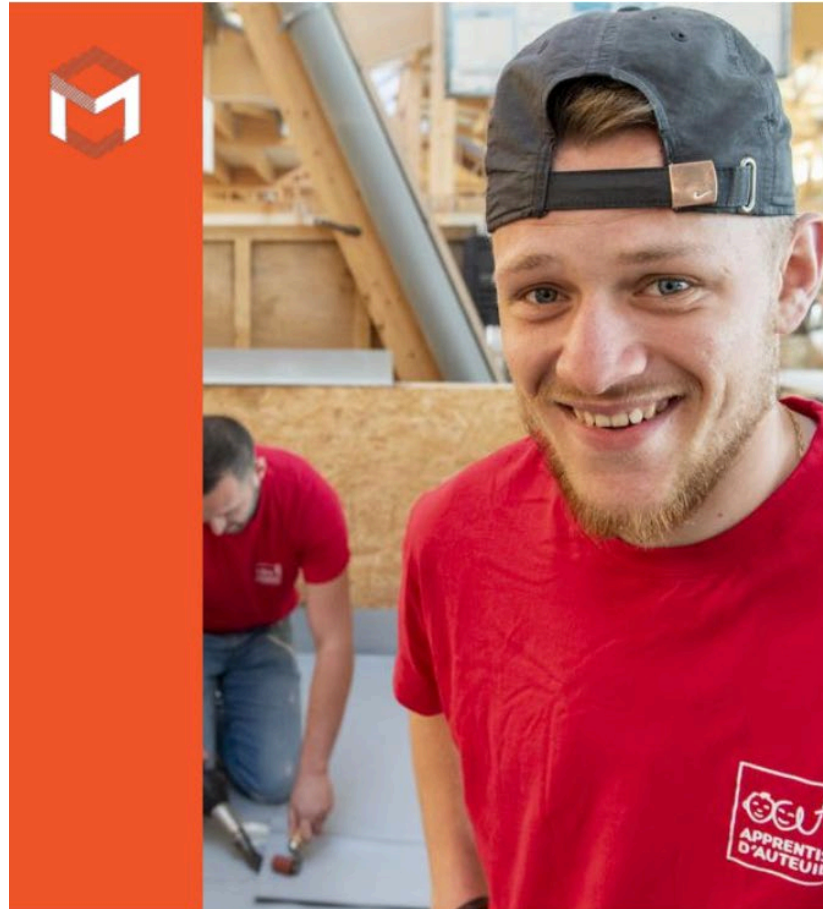
Benefits:

- Safer hands-on activities : NO accident, teens can practice
- Candidates : +50%, Certifications : +70%





Virtual Indus Electricity references



Second-chance school program, using VR for trades discovery, career guidance and deep training to become electrician and construction workers.

Educational tools:

Backpack VR equipment including Hp Reverb headset, Electrician training VR content and site risk management for construction.

Benefits:

- Reduce drop-out from 50% to 20%
- Improved results : from 70% to 85% qualified

<https://www.apprentis-auteuil.org/formation-et-insertion.html>



Simspray references



ST JOHN'S
College

St John's College is one of the 31 colleges of the Cambridge University in the United Kingdom.

Educational tool:

Simspray

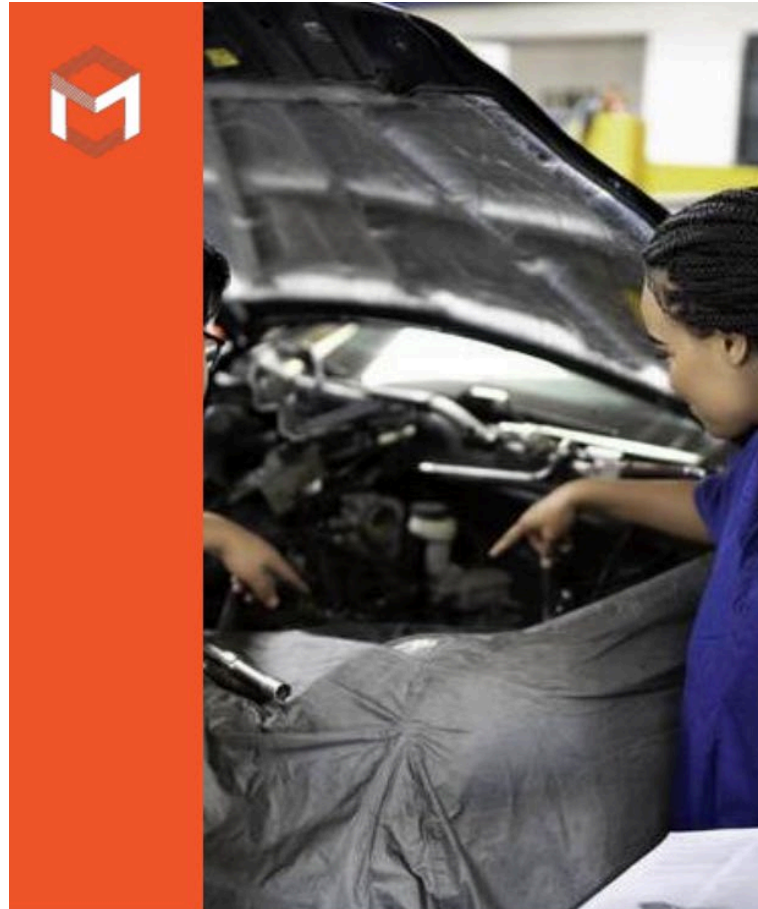
Benefits:

- Divide by 3 the training duration for the same quality
- Saving of up to 90% of the raw material
- Improved certification ratio : from 65% to 89%





Wave NG and Wood Ed references



Biggest adult training organization
in France

Educational tools:

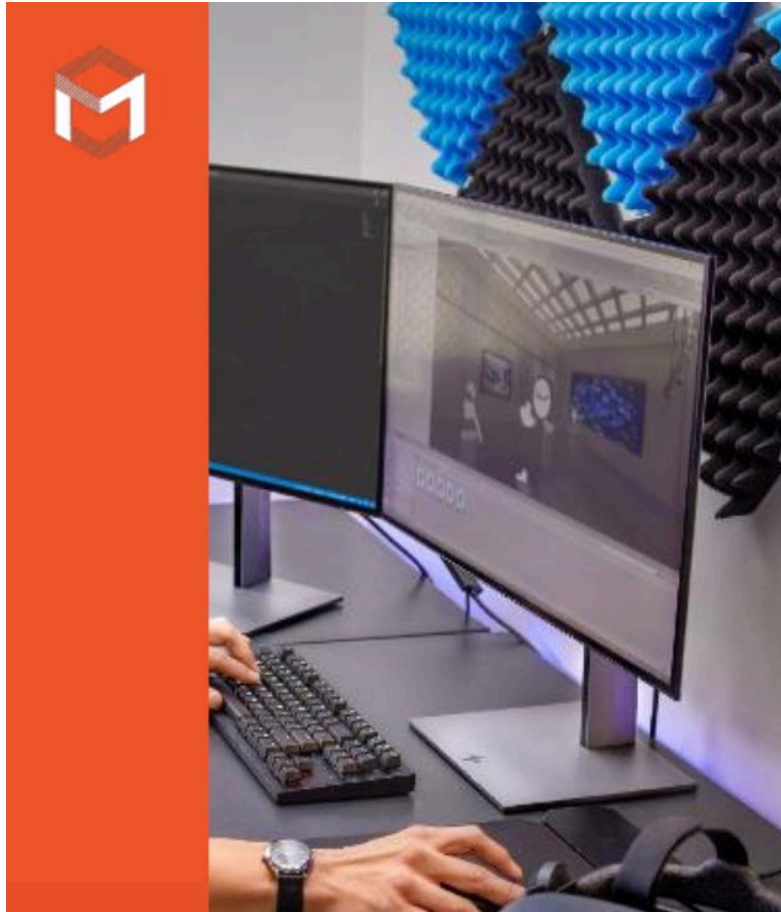
Deployed Virtual Welding and Virtual
Woodworking in their 100+ training
centers in France.

Benefits:

- More candidates (innovation attraction)
- Efficient for Open-Houses
- Better tracking of the learners
- Cost reductions from 30% to 50%
- Certifications ratio improved



Virtual Indus HVAC references



Nash Community College offers academic programs that lead to a degree, diploma or a certificate that prepares learners for the workplace and provides a skilled workforce for the region

Nash Community College leverages virtual reality for immersive learning. With HP partner MIMBUS, the educational institution created an innovative, proof-of-concept model for students in the heating, ventilation and air conditioning (HVAC) continuing education course.

Educational tools:

Mimbus Vulcan: cloud-based platform set up learning programs with ease



Co-funded by the
Erasmus+ Programme
of the European Union



The good practice examples provided by the MIMBUS, our valuable partner in digitalization...

Author:

Jr. Ferenc Benus

ferencbenusjr@gmail.com



www.learnvirtual.eu

info@learnvirtual.eu