Innovative E-learning Approach to Enhance Energy Efficiency Learning

Manila, June 2023
E-learning brings a lot of benefits
How to design an Energy efficiency training?
Gamification & Serious game
2021 - TUEWAS pilot project
Instructional design

THE CONE OF LEARNING

After two weeks, we tend to remember..

- Reading: 10% of what we READ
- Hearing Words: 20% of what we HEAR
- Seeing: 30% of what we SEE
- Watching a Movie, Looking at an Exhibit, Watching a Demonstration, Seeing it Done on Location: 50% of what we SEE & HEAR
- Participating in a Discussion, Giving a Talk: 70% of what we SAY
- Doing a Dramatic Presentation, Simulating the Real Experience, Doing the Real Thing: 90% of what we DO

- e-learning modules
- Adaptive pre-assessments
- Mobile learning
- Instructor led training
- TA support
- Labs
- Exercises
- Gamification
- Capstone
- Community
Immersive experience
Lina, who will support learners in the course
Trigger ownership
Dear Energy Efficiency Expert,

Welcome to our Master Excel Sheet. Throughout the course, you will be referred to working with this Excel Sheet, so have a look.

On the second page, you can find a blueprint of the textile industry.

The following Excel sheets contain tasks, that will be explained in the respective chapter. After completing each module, you will receive a small prize, which is an important element for

You can easily drag & drop these items into the blueprint to visualize more efficient action.

Once you completed the whole course, you can use the calculations of this Excel workbook.

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How to unlock tasks:

To start working on the tasks within the different chapters of the course, you need to unlock the tasks separately.

To do this, follow the steps:

1. Open the Review tab, and click Unprotect Sheet.
2. Enter the password of the task in Alleg! & click OK.
3. Start working on the task - Enjoy!

How to collect your items:

When you finish an assignment correctly, you will be given the password to unlock the item tab e.g. "compressor".

1. The item tabs are colored green.
2. You can then copy & paste (Ctrl + C, Ctrl + V) these items into your blueprint and collect them until you have collected all of them.
Collection completion motivation
> 1000 learners
99% positive feedback
Virtual reality & 3D metaverse
How to continue to trigger interest?
Thank you