TürkTraktör
Innovative Training Tools
Virtual Reality Supported Technical Trainings
Virtual World of Technical Training

Virtual Reality Supported Technical Training Project

Grant: 167,000 €

İŞKUR Disabled Employment Grant
(Turkish Employment Agency)

Grant: 32,000 €

First Time in Turkey
Problem Detection and Emergence of Need

Traditional on-the-Job Training Method

- Work accident risks
- Training scrap costs
- Quality problems
- Difficulty focusing
- Hearing problems
Identification of the Target Audience

• 84% of our employees are Y generation
• Technical development of our deaf employees

Determination of Training Technology

Technological Appeal + Effective Learning = Virtual Reality Technology
5S Training

Environmental Education

Energy Education

OHS Unsafe Conditions / Unsafe Behaviors Training

Transmission Sub-Group 20. Operations Training

Transmission Sub-Group 22. Operations Training

Transmission Body Assembly Operation Training

DT Sub-Group Assembly Operation Training

Brake Adjustment Operation Training

Machining Operator Basic Training

Internal Logistics Operator Basic Training

360 Factory Tour
Academic Research Results

Virtual Reality supported Technical Trainings

- Unlimited Practice and Exam
- Ergonomic Training Environment

The Effect of Virtual Reality on Learning

International Article

The effect of VR-supported technical training on learning 81%
<table>
<thead>
<tr>
<th>Covered Benchmark Demands</th>
<th>National and International Dissemination Studies</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Ford Otosan</td>
<td>1) Koç Holding - Good Practice Days (İstanbul)</td>
</tr>
<tr>
<td>2) Tofaş</td>
<td>2) Koç Holding - Community Companies Sharing Meeting (İstanbul)</td>
</tr>
<tr>
<td>3) Arçelik</td>
<td>3) Automotive Industry Association (OSD) - Education Summit (İstanbul)</td>
</tr>
<tr>
<td>4) Turkish Employers’ Association of Metal Industries</td>
<td>4) Başkent University - II. International Conference On Distance Learning and Innovative Educational Technologies – DILET2018 (Ankara)</td>
</tr>
<tr>
<td>5) Automotive Industry Association (OSD)</td>
<td>5) UNDP - Model Factory Opening Ceremony (Ankara)</td>
</tr>
<tr>
<td>6) Fiat Chrysler Automobiles (FCA) - Italy</td>
<td>6) i3D in VET Project Promotion Conference (Ankara)</td>
</tr>
<tr>
<td>7) CNH Industrial - Italy</td>
<td>7) Hacettepe University – Promotion Days (Ankara)</td>
</tr>
<tr>
<td>8) CNH Industrial - China</td>
<td>8) CNH - Harvester Factory (Plock/Poland)</td>
</tr>
<tr>
<td>9) CNH Industrial - India</td>
<td>9) Innovaway Spa. (Naples/Italy)</td>
</tr>
<tr>
<td>10) Magneti Martelli</td>
<td>10) Napoli Chamber of Industry (Naples/Italy)</td>
</tr>
<tr>
<td>11) MAN</td>
<td></td>
</tr>
<tr>
<td>12) Mercedes-Benz</td>
<td></td>
</tr>
<tr>
<td>13) Honda</td>
<td></td>
</tr>
<tr>
<td>14) Karsan</td>
<td></td>
</tr>
<tr>
<td>15) Toyota</td>
<td></td>
</tr>
<tr>
<td>16) Renault</td>
<td></td>
</tr>
<tr>
<td>17) Doğan Holding - Ditaş</td>
<td></td>
</tr>
<tr>
<td>18) Borusan Holding - Borçelik</td>
<td></td>
</tr>
<tr>
<td>19) United Nations Development Program</td>
<td></td>
</tr>
<tr>
<td>20) Turkish National Agency</td>
<td></td>
</tr>
<tr>
<td>21) Hearing Impaired Education Activities Association</td>
<td></td>
</tr>
<tr>
<td>22) Celal Bayar University</td>
<td></td>
</tr>
<tr>
<td>23) METU</td>
<td></td>
</tr>
<tr>
<td>24) TUSAŞ Akademy</td>
<td></td>
</tr>
<tr>
<td>25) Coşkunöz Holding – Çoskunöz Education Foundation</td>
<td></td>
</tr>
<tr>
<td>26) Ministry of Education</td>
<td></td>
</tr>
<tr>
<td>27) European Training Foundation</td>
<td></td>
</tr>
</tbody>
</table>
Turkey Accessibility Awards 2020

Virtual World of Technical Training Project was awarded the first place prize by The Presidency of The Republic of Turkey!
Technical Sign Language Creating Project
Giving A Voice to Deaf People in Metal Sector Project

Name: Giving A Voice to Deaf People in Metal Sector
Acronym: VOC2DEAF
Program: EU KA2 – Strategic Partnership in VET
Starting Date: 01.09.2019
Duration: 35 months
Status: Continue
Total Budget: 365.000 EURO (100% grant)

Project Aim

- Providing **Technical Sign Language** to literature
- Developing an e-book integrated with **Augmented Reality (AR)**
- Developing **Technical Skills** of hearing-impaired employees
- Ensuring the **Sustainability** in hearing-impaired employees’ Employment
- Providing them **Career Opportunities** by developing their technical and behavioral skills
- **Extension** activities to all Metal Industry both in Turkey and EU
Giving A Voice to Deaf People in Metal Sector Project
Barrier-Free Development Platform
Barrier-Free Development Platform

Engelsiz Gelişim Akademisi

Name: Barrier-Free Development Platform
Program: Grants of Disabled Employment Project
Total Budget: 1.073.000 TL (100% grant)

Project Aim
- Free online training platform for disabled people
- Content to develop technical, professional and social skills
- Support for sign language, detail subtitles, audio description-based narration for all educational content
Please feel free to contact me anytime.

Gürhan HÖKE
Leader Specialist - Training and Project Development

gurhan.hoke@turktraktor.com.tr  -  +90 507 947 29 06