

GreenVETAfrica

Lesson 1.5 Case studies of Smart Remote Expert Solutions applications in different fields

Unit 1: Introduction to smart expert solution and the technologies which enable it
Module 3: Remote Expert Solution for Vocational Technical Training Programmes



Co-funded by
the European Union

2023-2024 GreenVETAfrica

RES in Agriculture

Agriculture:

Remote Expert Solution in Agriculture is a technology-driven system or platform that allows farmers, agricultural professionals, and experts to remotely access information, expertise, and resources to improve farming practices, crop management, and overall agricultural productivity.

RASME (Remote Appraisal, Supervision, Monitoring and Evaluation) is a RES adopted by African Development Bank for its projects in 12 African countries. RASME use new information and communication technologies to optimise the collection, analysis and management of data for the preparation, evaluation and supervision of the Bank projects. RASME has the advantage of capturing geographical data of the projects site.



RES in Education

A Remote Expert Solution (RES) for education refers to a system or platform that enables educators, students, and other stakeholders in the education sector to access expert guidance, support, or resources remotely. This type of solution has become increasingly relevant in recent years, especially with the growth of online and **blended learning models**. Here are some key components and considerations for implementing a Remote Expert solution in education:

1. Content sharing
2. Specialized Educational Platforms
3. Video Conferencing and Communication Tools
4. Training and Support
5. Screen Sharing and Annotation
6. Recording and Archiving

By implementing a Remote Expert solution in education, institutions can expand their educational offerings, bring in specialised expertise from anywhere in the world, and adapt to various learning scenarios, including remote, hybrid, or traditional classroom settings. It can enhance the overall learning experience and provide students with valuable opportunities to connect with experts in their field of study.

RES in Health

Remote expert solutions for healthcare involve the use of technology to connect healthcare professionals, patients, and experts, enabling remote consultations, diagnostics, monitoring, and support.

Proximie is a platform that allows surgeons to remotely assist and collaborate during surgeries using Augmented Reality and Virtual Reality. Surgeons can provide real-time guidance and support to their peers worldwide. This technology has been particularly useful in training and ensuring access to specialised expertise in remote or underserved areas.



RES in Field Services

Remote Expert Solution in the field enable organisations to remotely assist and support field service technicians or workers in performing tasks, troubleshooting issues, and providing expertise without the need for physical presence. Equipment's like mobile devices such as smartphones or tablets, and wearables like smart glasses or headsets with integrated cameras enable hands-free communication and the sharing of visual information.

Lagafors in southern Sweden created a state-of-the art food cleaning system. Lagafors adopted the EWON Remote Expert Solutions from HMS Network. The food cleaning system equipment's are distributed in 31 countries across the globe.



Lagafors can perform machine servicing, troubleshooting and solve technical difficulties from any part of the world using Remote Expert solutions.





Aerospace:

Airlines and aerospace companies use RES to assist maintenance crews. Technicians can consult with experts to diagnose complex issues and perform repairs efficiently.



Emergency Services:

In critical situations, paramedics can connect with remote medical experts to receive guidance on life-saving procedures, improving patient outcomes.



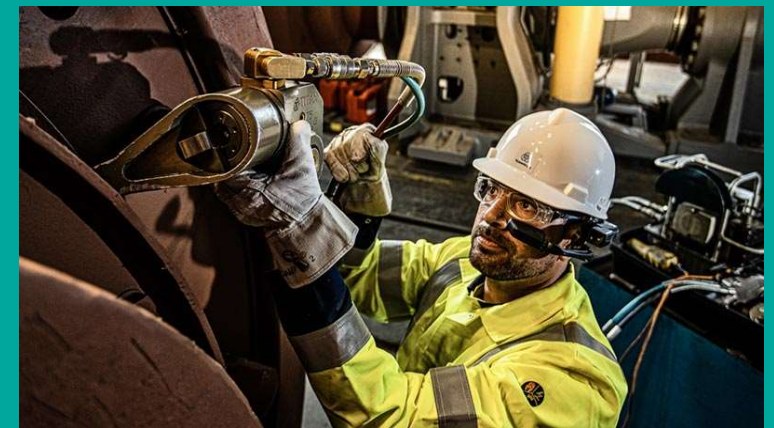
Energy:

Oil rig operators employ RES to connect with offsite engineers for real-time support during drilling and maintenance operations. This minimizes downtime and improves safety.

Construction

Remote Expert Solution in construction industries is valuable for coordinating construction activities, addressing technical issues, and ensuring projects stay on schedule and within budget. Remote Expert Solution for the construction industry involves the use of technology to connect construction teams, projects managers, engineers, architects, and experts remotely.

Trimble connect is a cloud-based common data environment (CDE) and collaboration platform designed specifically for the construction industry.



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