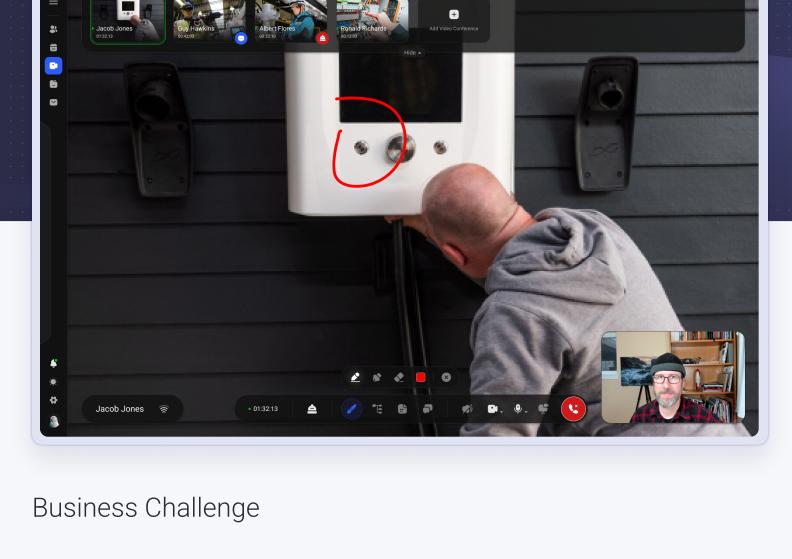
XB Software

Remote Presence Solution

XB Software has developed custom web-based software that creates a virtual presence of a remote expert to assist specialists in any location. This remote presence technology is delivered via devices such as tablets, AR-glasses, and head-mounted wearable computers.



human error are very promising areas of development. Remote presence systems allow experts to be present at far-off locations. This approach improves the skills and knowledge of less qualified personnel and uses the skills of more expensive employees more efficiently. It achieves

possible expert response available, and for interns, it offers the chance to receive expert guidance through remote mentoring. Solution XB Software can implement the remote presence software system on AR glasses, head-mounted wearable computers, smartphones or tablets. In conditions of high humidity, dirt, dust, severe

weather conditions, or when manual control of the devices is not possible, special devices like

presence is provided by video streaming with WebRTC technology. Additionally, AR technology is

head-mounted wearable computer or AR glasses with voice control can be used. Remote

used when the customer requires the solution to be implemented on AR glasses.

In areas like manufacturing, the oil and mining industries, mechanical engineering and other

this by reducing travel time, time spent working, and the likelihood of errors. Furthermore, in

cases where assistance is needed urgently, remote presence technology offers the fastest

high-tech sectors, enabling less qualified personnel to perform highly skilled work and reducing

The solution, as a rule, consists of 3-4 components: a signal server which is responsible for two-way video/audio signal

System Architecture

a process management system/storage/wiki-systems, etc.

- Internet connection takes place via:

System Architecture

connection.

measures, etc.

necessary.

a client application on a device

a desktop web interface for an expert

Wi-Fi. This is used on-site if available.

mobile Internet is used for data transfer.

internal memory for later transfer to storage following reconnection.

Through a chain of repeaters. If works take place in hard-to-reach places such as

underground in mines for example, then a network of repeaters is used to provide the

In case of disconnection or network absence, a video stream from the device can be saved in its

Mobile Internet. If work is carried out in the field, e.g. gas pipes, or at sites under construction,

Digital video recorder (DVR) to monitor the duration and quality of work.

The following features can be implemented:

Digital video recorder (DVR) feature

Real-time consultation with a remote expert (with chat option)

pointers are displayed directly on the smartphone, tablet, or glasses being used.

The specialist can also use chat to communicate with remote experienced personnel if

Access to the knowledge base of case studies, manuals, protocols scripts, schemes, etc. Voice control. Process/staff administration system or any other web-based systems in the office.

DVR controls the time and quality of work of the specialists. A record of a specific timestamp can be accessed via cloud storage, local servers or hosts in disputed cases or for access to archived

notes. DVR feature ensures compliance by workers with working and resting regulations, safety

remote professional consultation so that skilled personnel can see what a specialist sees and give advice, share the screen, use pointer features, and make marks on screenshots, etc. If AR

technology is used, virtual elements or hints such as geotags, addresses, recommendations, and

Real-time consultation with a remote expert (with text chat for noisy environments).

A two-way audio and video communication channel provides access to an office-based expert for

Access to the knowledge base With a remote presence device, a specialist can access a stored knowledge base and use voice control, if required, to navigate, open, copy, send, or move files.

Customers Jenny Wilson's Projects

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Darrell Steward

Annette Black

Guy Hawkins

Albert Flores

Wade Warren

Esther Howard

Robert Fox

Cody Fisher

Floyd Miles

Ronald Richards

👶 Add Customer

Devon Lane

#

8 Meter Installation Jacob Jones

Flectrician ** Jenny Wilson + Meter Replacing

Courtney Henry

Meter Replacing

Alex Smith

Meter Replacing <

Alex Smith

13:00 - 15:30

Voice control If necessary, voice commands will be configured to control the system. Process/staff administration system or any other web-based systems in the office

It's essential that the remote presence system can be integrated into any enterprise resource

system, or any other required features can be added to the desktop interface.

planning system (ERP). Also, features of the process administration system, staff management

< 1-5 August 2022 >

© 09:00 - 10:00

Meter Installation

agg Jerome Bell

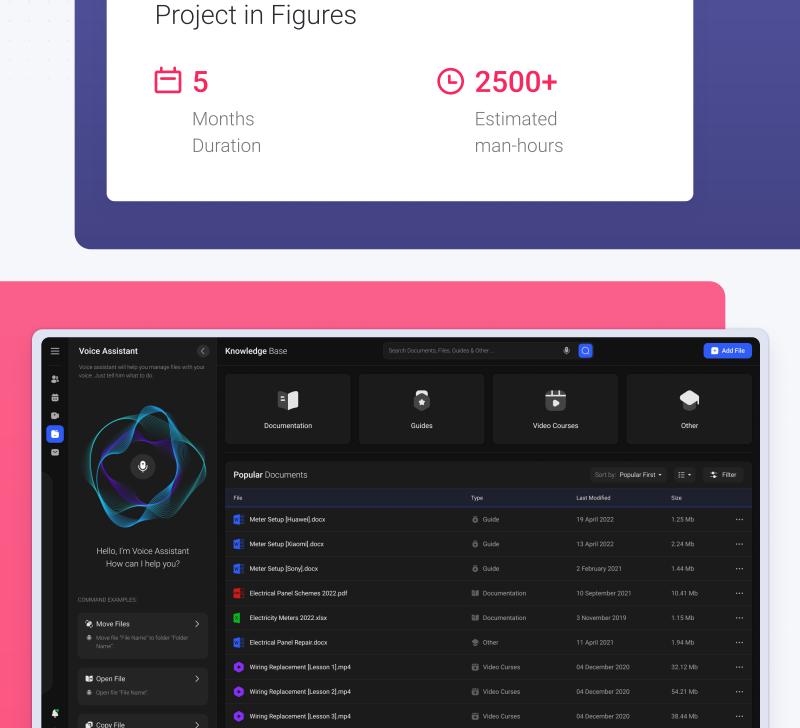
17:00 - 19:00

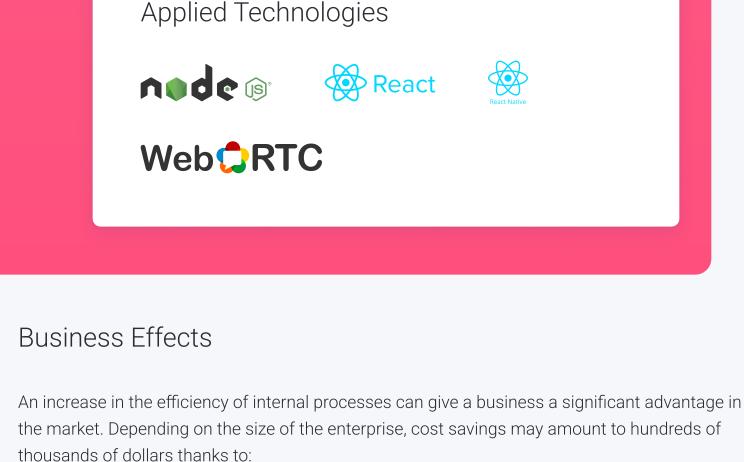
Meter Replacing

Meter Installation

Jerome Bell 🛭

③ 12:00 - 14:00





Meter Setup [Samsung].docx Meter Setup [Dell].docx

increasing the labor efficiency of less qualified personnel

increasing the efficiency of each hour worked by expensive employees

reducing the likelihood of errors by specialists quicker progress in training interns.

Contact Us

Your questions and requests are always welcome!

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