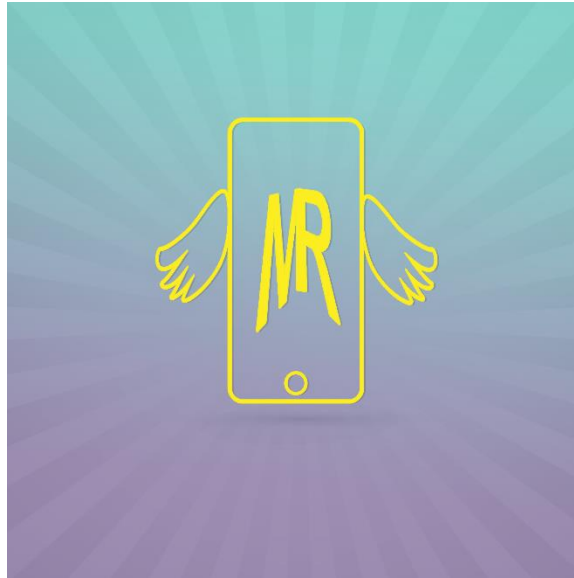# MRESENCE™

An Enablement Platform
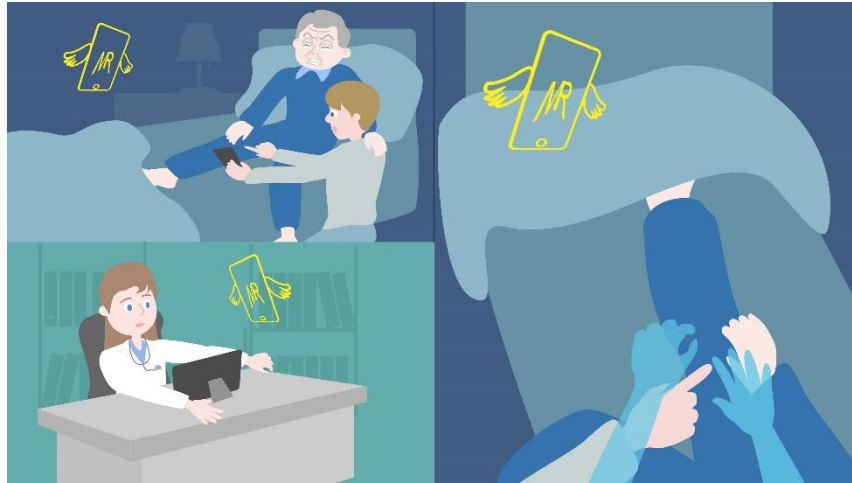
A better way to do on-line

Collaboration, Distance Learning, TeleMedicine, TeleMeetup™ or TeleAnything™

If you are a user of TeamViewer, Zoom, GoToMeeting, Webex etc. you would have occasions when you wished to do things in situ and be able to

- show the corresponding party/parties with direction of "See What I See" and

- ask them to follow you and vice versa with "Touch What I Touch" and

- even have them experience and share their sentiments with "Empathy over Cyberspace"

- use the collaboration software + all of the above-stated desired features in situ from a Smartphone or a Tablet
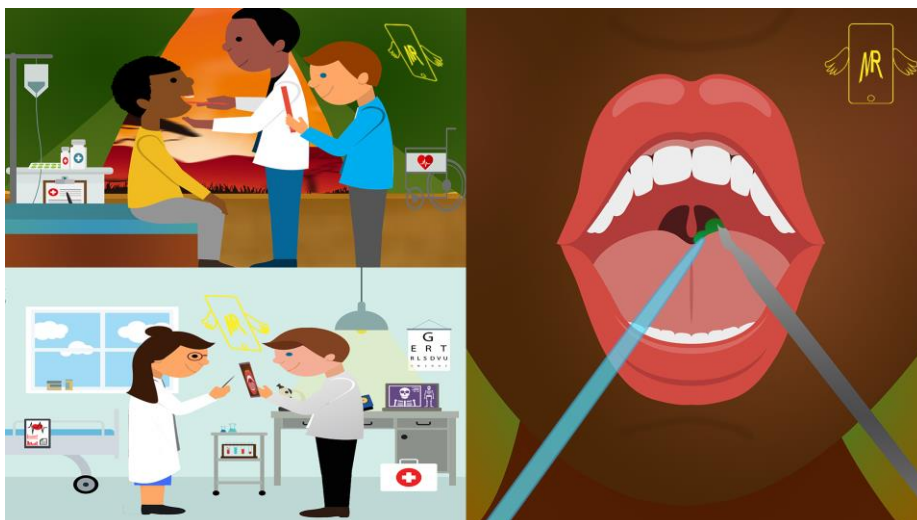

Note that you can achieve all of the above-stated and more with/through MRESENCE.

If you are householder or a guardian faced with a medical emergency in the middle of the night in a country where 911/EMS service is not readily available, you would wish that you could get medical advice when you desperately need it from medical professionals in other parts of the world who are doing their day-shift and are willing and able to help.

Note that you can do all that and more with/ through MRESENCE

If you are a team member of Doctors Without Borders providing emergency medical care in a make-shift clinic in a remote location in Africa and you had come upon a rare symptom and you need to consult your colleagues in research hospital in Germany about your observation for diagnosis and prognosis in an emergency situation, you would wish that you could use your Smartphone or your Tablet to let the research specialists see What You See and they direct you to Touch What They Touch in doing investigation and in providing emergency treatment.

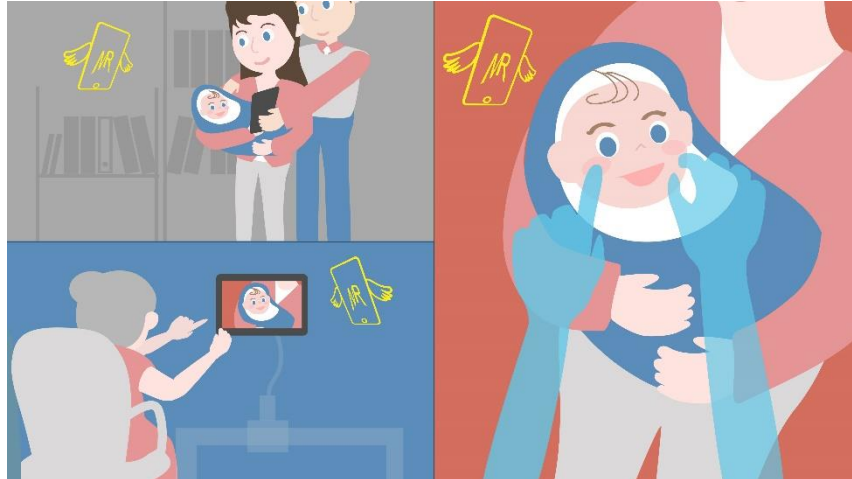*Note that you can do all that and more with/ through MRESENCE*

If you are an expert with special skills, knowledge and experience, especially one who is enjoying a fulfilling retirement, desiring to impart your knowledge to others in the world at large (and yes also to have some monetary gain), you would wish that there is a quick and easy way to set up an On-line Distance Learning virtual studio just with your Smartphone.

Imagine an elderly lady who is an expert in Crochet teaching and demonstrating to tens or hundreds of students eager to learn the exceptional skill of making intricate Crochet. The expert is in her kitchen with her Smartphone in a goose-neck holder in an instant studio setting showing off her nimble moves with her crochet hooks and having it all broadcast through MRESENCE.

Note that you can do all that and morewith/ through MRESENCE

If you and your wife, resident in Canada, are the proud parents of a new born child and you are showing off the baby to the grandparents (your own parents) who are resident in China, you would want to be able to let the grandparents "See What You See" and "Touch What you Touch" and hug and hold the infant in their (GrandPa's or GrandMa's) hands.

Note that you can do all that and more with/through MRESENCE !

That's TeleMeetUp extraordinaire !.

MRESENCE is an Enablement Platform that enables on-line interactions among participants with Presence in Mixed Reality ("MRESENCE").

Presence implies that people are together in one same physical space. There are circumstances due to geographical dispersion, political barriers, economic difficulty, the urgency of now etc. that make it impossible for Presence to take place.

In such instances, a good practical approximation to Presence is Mresence enabled by MRESENCE Enablement Platform, a cloud-based service platform for operation in Mixed Reality ("MR") production.

When you cannot be present at an event, you can do the next best thing by being Mresent and participate in the event with a significant latitude for interactions. All it takes is a quick and easy set up using your Smartphone or Tablet working in conjunction with the MRESENCE Enablement Platform.

MRESENCE caters to any service provision operation involving parties that are seeking advice/expertise/know-how and the parties that are able to provide advice/expertise/know-how on demand in certain situation, where the parties are physically separated and remote from one another, in configuration that may be

- one-to-one,
- one-to-many,
- many-to-one and
- many-to-many.

MRESENCE achieves in Mixed Reality production

- "See What I See",
- "Touch What I Touch" and
- "Empathy over Cyberspace"

for applications of such situations and configuration.

MRESENCE provides facility listed as follows:

- Registration for on-boarding service providers and users as subscribers to become advice seeker and advice giver complete with set up for facial recognition-based access to the platform, profiles of business and individual etc.
- Rating by users of one another's performance and aptitude – service seeker on service provider and vice versa
- Chatbot for enhanced UX for preliminary directions to the user and advanced filtering to determine the scope of the service user's needs
- Blockchain crypto protection of records text, voice, audio, video, data and graphics for posterity or subsequent use /purposes
- Big Data Analytics of data collected
- AI Deep Learning to progressively make improvement in service provision operation including the operation of matching advice seeker with the appropriate advice giver
- Billing and invoicing function to allow for billing chargeable services
- On-line payment gateway interface for collection of payment per usage instance, per time of consultation etc.
- Password/facial recognition-protected secured access to dashboard for each service provider and the administration of service provision for visibility of performance and usage data etc.

- Heat map to give high-level view of overall and global performance of all kinds of data being tracked.
- Network security protection
- High availability and fail proof cloud-based operation
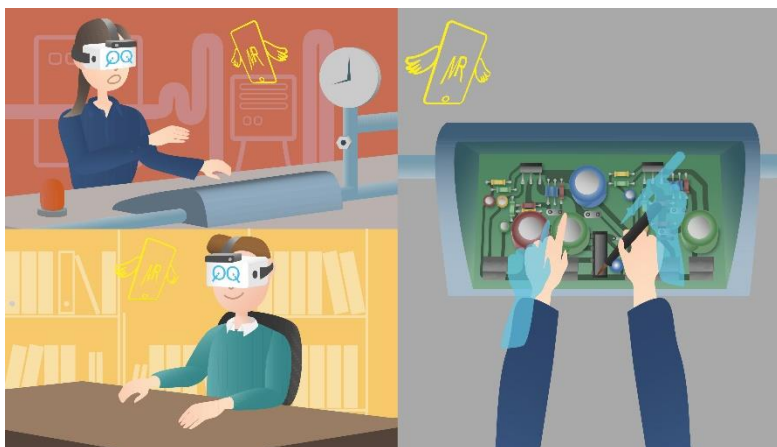- Compliance with Personal Information Protection and Electronic Documents Act (PIPEDA)

MRESENCE has two modes of operation, namely a Private Mode and a Public Mode.
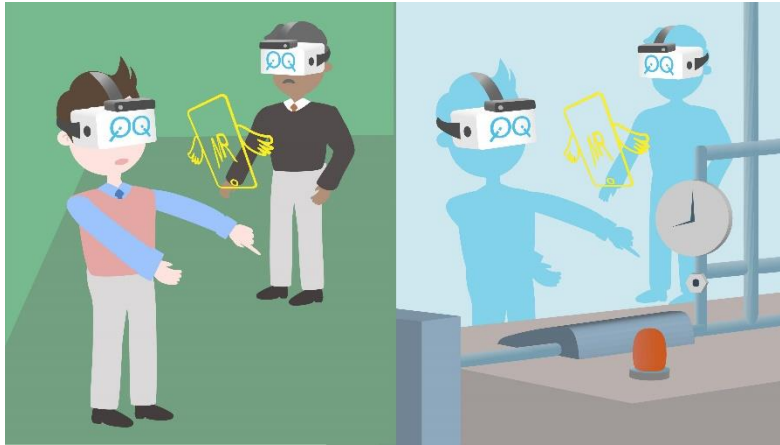
Private Mode

caters to businesses with multi-national operation for their needs in providing great-efficacy and high-efficiency services to their clients and customers through field personnel or local support personnel who have access to their engineering department and research lab to obtain help or advice by experts if required. The service facility provided through MRESENCE can be available at anytime across time zones in any part of the world where broadband Internet access is available. This mode of operation enables optimum cost efficiency and efficacy in the deployment of human resource in work operations.

MRESENCE Enablement Platform has facility accessible by the business's clients and personnel for on-demand provision of
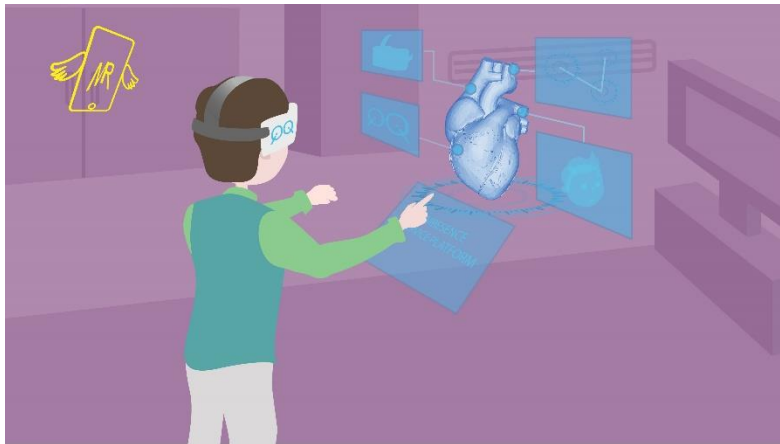
- digital assets, such as trouble shooting manuals, schematics etc., of the business, already stored in the Platform, in Augmented Reality ("AR") Production

- illustration/demonstration/training in Virtual Reality ("VR") Production

in these use cases the client or field personnel would use the Head Mounted Display ("HMD") Device known as QiiQ designed for use with MRESENCE.

MRESENCE features are eminently useful in operation of

- TeleMedicine
- Collaboration between/among parties that are geographically dispersed
- On-line Distance Learning for one-to-many and many-to-one and many-to-many interactions
- TeleConference between/among individuals and/or groups of individual for business discussion in nor,al course of business as well as in emergency situation

<u>Public Mode</u>

allows for individual to sign up to use MRESENCE Enablement Platform as

- a subscriber who seeks advice/expertise/help of any kind or
- a subscriber who is able to provide advice/expertise/help of any kind

All the facility and functionality in MR Production, AR Production and VR Production above-described are available to the interaction and service provision operation between the advice seeker and the advice giver.

The service scope may be any or all of the following:

- TeleMedicine – emergency advice in family medicine
- Collaboration between/among parties that are geographically dispersed
- On-line Distance Learning for one-to-many and many-to-one and many-to-many interactions
- TeleMeetUp on various occasions and for various reasons between/among friends and family members who re geographically dispersed such as Anniversary Celebration, Child Birth and emergency of any kind

<u>Definition of industry terms used</u>

AR or Augmented Reality

Augmented Reality (AR) enables users to experience the world around them as is, but with the enhancement in the form of additional layers of digital content over and above Reality, such as images, sound, video and text; contents information that is available and relevant to the user's specific situation at the time.

VR or Virtual Reality

Virtual Reality is a three-dimensional, computer generated environment which can be explored and interacted with by a person. That person becomes part of this virtual world or is immersed

within this environment and whilst there, is able to manipulate objects or perform a series of actions.

MR or Mixed Reality

Mixed Reality (MR) is the combination of operation and experience in an environment where one can avail oneself of the advantages of Augmented Reality (AR) and Virtual Reality (VR) and yet being able to interact with the AR presentation with actions/interactions in physical reality.

Cloud-based or Cloud Computing

Simply put, cloud computing is the delivery of computing services—servers, storage, databases, networking, software, analytics, and more—over the Internet ("the cloud"). Companies offering these computing services are called cloud providers and typically charge for cloud computing services based on usage, similar to how you're billed for water or electricity at home.

Social Edification with MRESENCE

MRESENCE enables the operation of service provision of many kinds, at optimum efficiency, efficacy and availability to the people who are in dire need of the service, in situation and circumstance that is otherwise impossible to be achieved due to

- physical separation
- cost of transportation etc.
- urgency or emergency – the lack of time
- political and cultural factors
- limited availability of human resource with required expertise
- unavailable access to research facility and expertise

The use of MRESENCE, with all the mobile digital facility that it provides, engenders a kinder, more equitable and more enlightened society of peoples in all walks of life across the globe.

<u>See us at:</u>

ITW 2018 - Chicago, IL, Stand No. 1446 | Bilateral Table: P60 (Purple Level)

AWE 2018 - Santa Clara, CA

MWC Shanghai 2018 / 4YFN Shanghai 2018