



TeleMeetUp
Virtual Interaction & Video Conference
with
MRESENCE - Approximation to PRESENCE



TeleMeetUp at Digital Front Door
An Instant of Great Possibilities & Promises

When PRESENCE is not possible,
MRESENCE™ will do just fine.
You can now easily & affordably
Digitally Transform your business
with these Digital Twins.



TMU & TMUDFD

Conversational AI

AI & ML-informed Conversational Chatbot

Implemented with automation facility for information provision and interaction with visitors & clients on your webpage that can transition to Live Agents as and when required

Virtual Interaction & Video Conference

complete with features like that of Zoom, Teams, Webex, etc., added with SWISTWIT function of MRESENCE for approximation to PRESENCE for greater clarity in explanation and illustration

TMUscribe & TMUslate

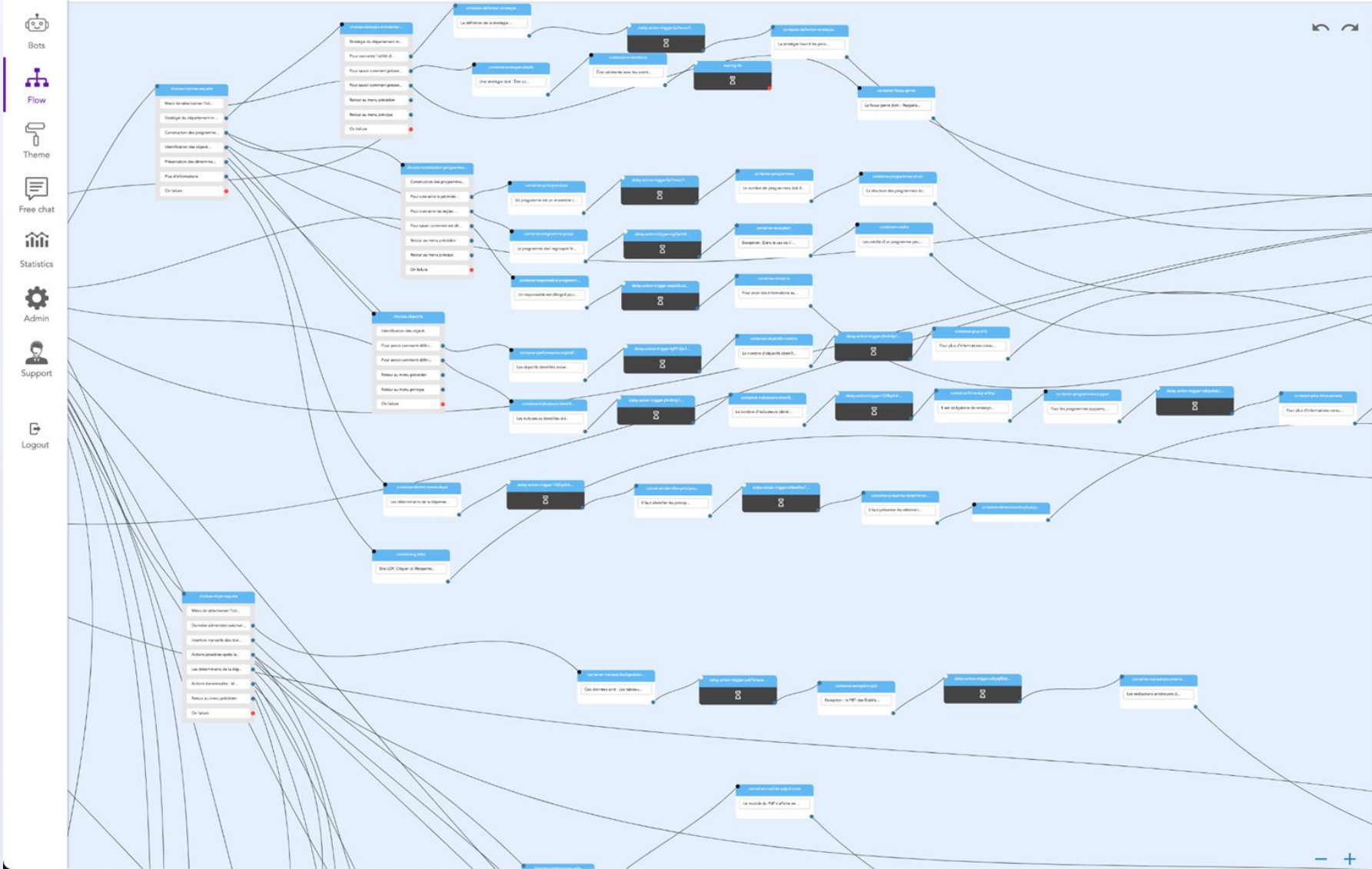
DNN Neural Network-based Speech-to-Text Transcription and Translation of the Transcribed Texts into various languages pre-selected by individuals in a group discussion

Autonomous Conversations / Conversational Voice AI

to facilitate the use of speech instead of text by people interacting with Conversational Chatbot in eCommerce or online ordering operation

All of the above in one continuous session in real-time with recording in multimedia

Workflow Creation Tool provided with TMUDFD for building Conversational AI Chatbot



TMUDFD TMUscribe TMUslate

Conversational Voice AI that enables interaction between Conversational Chatbot and online Visitors and Clients to TMUscribe for speech-to-text Transcription for 30+ languages & TMUslate for translation of the transcribed texts into other languages (80+ languages) & seamless transition of the chat to virtual interaction or video conference with Live Agents complete with support for transcription and translation functionality - all in one continuous session and recording in multimedia

Automatic Meeting Note-taking
with preferred language translation

TMUscribe frees you from taking notes at virtual conference or in-person meetings and produces live transcriptions with translation by TMUslate into preferred languages in real time that you and other participants can annotate and highlight.

TMUscribe & TMUslate for Education

Use a specially designed TMUscribe and TMUslate for live transcription note-taking for universities and other higher level education pursuit. Do so with recording of virtual interaction in multimedia in one continuous session.

Economical & Accountable with time-based pay-per-use billing & dashboard for visibility of usage and records for use in posterity

Transcribe 100% of the Speech with 90%+ trained accuracy*

Translate the Transcribed Texts into various major languages automatically in real-time

*. train your speech models for 90%+ accuracy while TMUscribe's End-to-End Deep Learning platform continually learns without any re-coding

Transcription











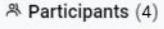



Jane Doe

Photoshoot Review

02:13 Record Time Left 1:05:35

 Invite

 Participants (4)

 T



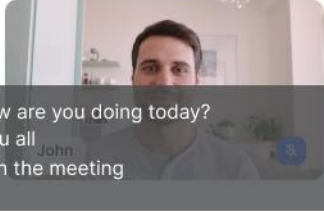




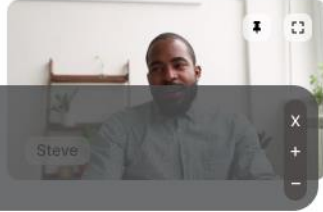
Jane's Screenshare



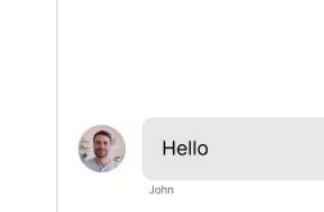
John



Steve



Jane



Omar













→ Group Chat



Hello

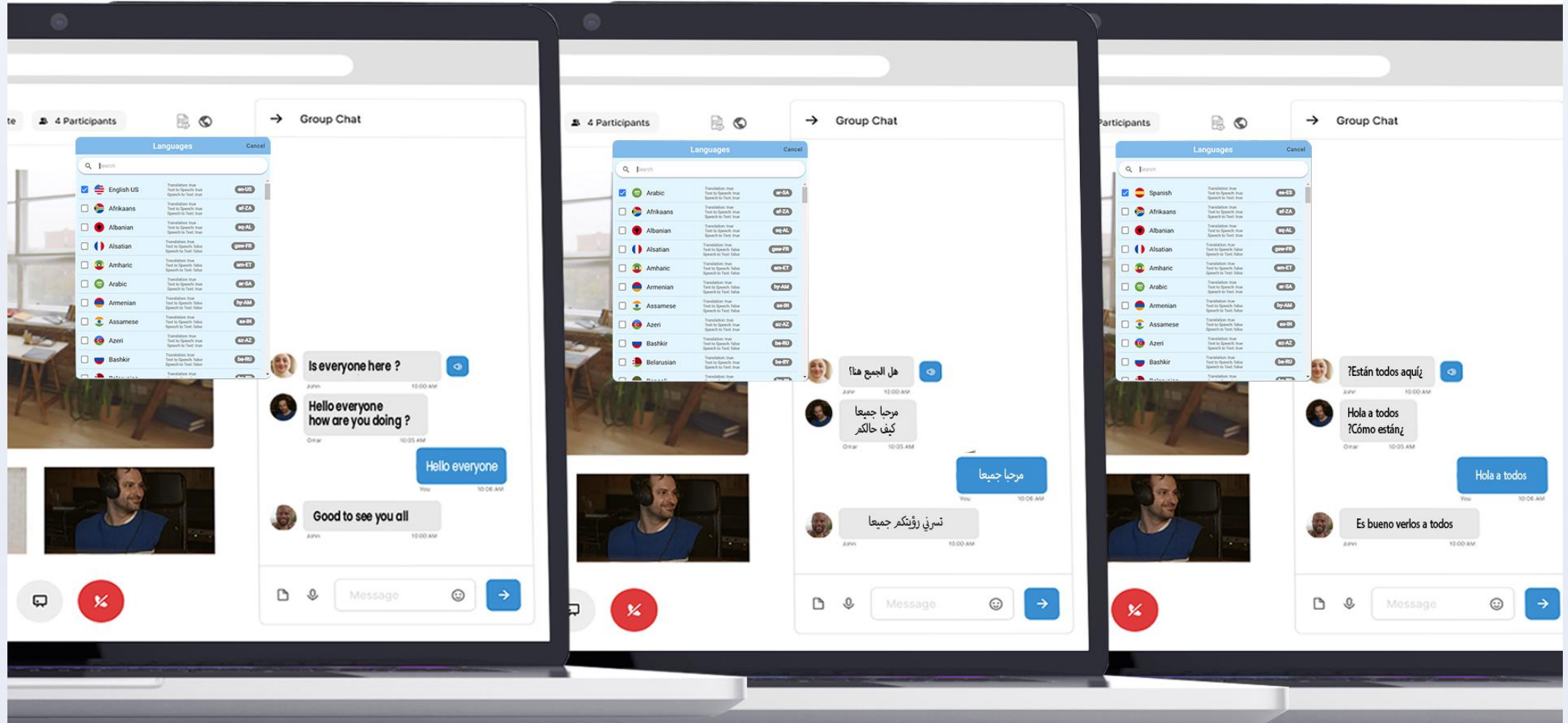
John 10:00 AM



Ecocarrier Inc. - Business Confidential

Translation

Participants can see all the chat messages in their selected language.



TMUDFD TMUscribe TMUslate

for Transcription & Translation of *uncommon* languages

Conversational Voice AI +
Virtual Interactions & Video Conference
working in conjunction with Human Interpreter

For instance, a French speaker, an Arabic speaker, and a Swahili speaker want to have real-time conversation among themselves with the help of an interpreter who is proficient in Swahili and English (“Interpreter”). Note that at present there is no Conversational Voice AI support between Swahili and English.

TMUscribe and TMUslate can be utilized as follows:

When the Swahili speaker speaks, the Interpreter interprets the Swahili speech into speech in English, TMU’s transcription function transcribes the speech in English into English text and TMU’s translation function translates the English text into French text and Arabic text.

When the Arabic speaker or the English speaker or the French speaker speaks, the speech is transcribed into Arabic, English and French, and the Interpreter can read the English text and translate and speak it in Swahili for the Swahili speaker to hear.

Note that the above-described conversation takes place in TMU virtual interaction / video conference.

The entire interaction session is captured and recorded in multimedia.

Excellent Technology in Artificial Intelligence & Machine Learning & Deep Neural Network (DNN)

in building

Cloud-based service provision

for

Conversational AI (Conversational Chatbot)

with NLP & NLU and seamless transition to

Virtual Interaction/Video Conference to Live Agents

Conversational Voice AI / Autonomous Conversations

DNN & TensorFlow-based Automatic Speech Recognition (ASR)

for

Speech-to-Text Transcription &

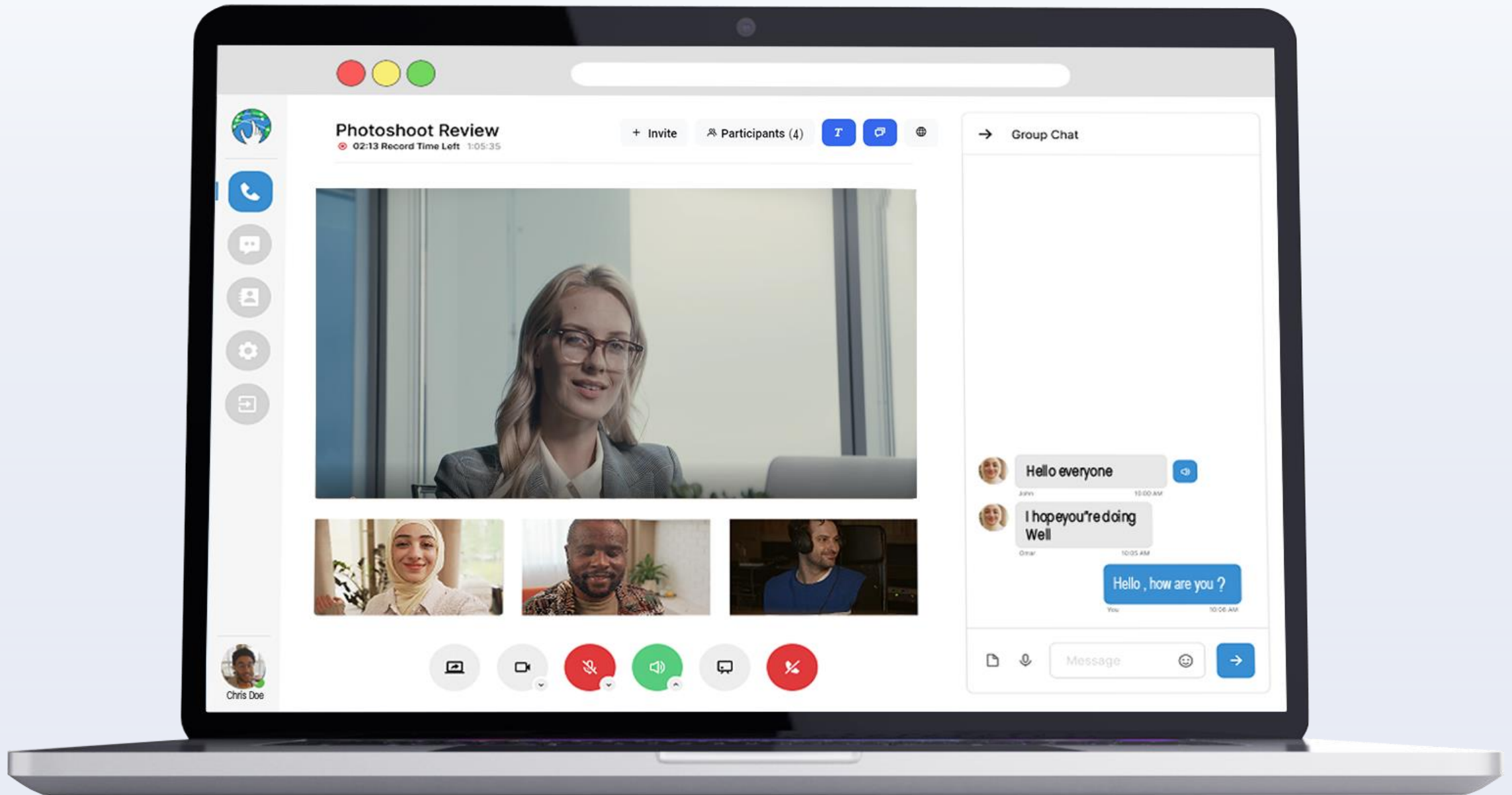
Real-Time Translation of the Transcribed Texts

into various languages preselected by individuals

in a group virtual interaction / video conference

in one continuous session

with recording in multimedia



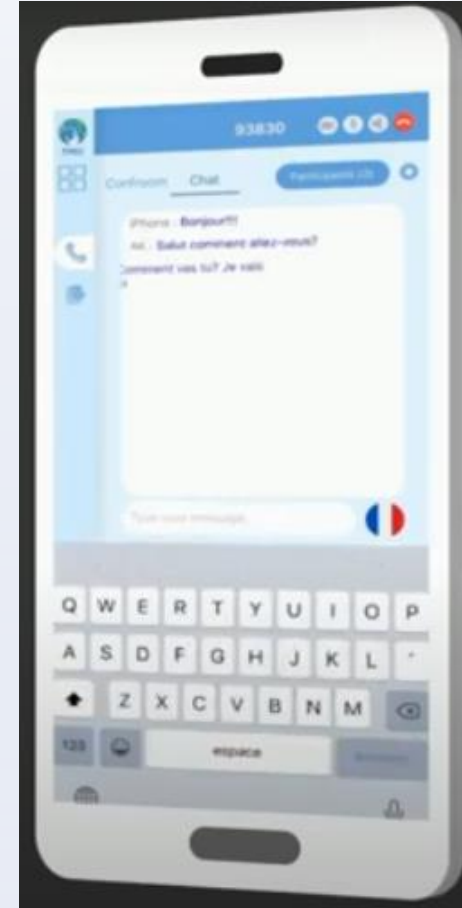
TMU – Key Features



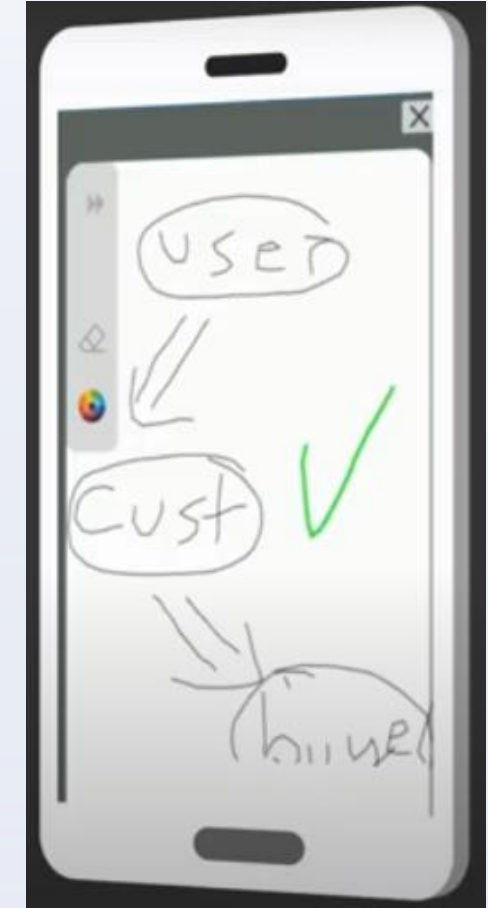
Robust
Videoconferencing



Mixed Reality



Native Language
Chat



Whiteboarding

TMUDFD TMUscribe TMUslate

Integration with slack

enables

- **Conversational AI, real-time Transcription and Translation for Slack Digital HQ**

Use of TMUDFD Conversational AI Chatbot to receive and deal with Visitors and Clients at your webpages (which are your digital front doors) with facility

- a) to transition Conversational Chatbot interaction to Live Agents in Slack channels to do ad hoc video conference / virtual interaction with the Visitors and Clients. Virtual Interaction with the advantage of MRESENCE for approximation to PRESENCE, notably SWISTWIT for pinpointing for greater clarity in illustration and explanation, a feature unique to TMU.
 - b) to have video conference across language barriers with the operation of TMUscribe function for transcribing speech in multiple languages and TMUslate function for translating the transcribed texts into various languages according to preference of individual participants in the interaction.
- **Easy set up to do TMU video conference / virtual interaction with others in Slack Digital HQ with one-step command for each instance of use**

Use it for ad hoc conference, or as daily standups, team check-ins, surveys, virtual watercooler, 1:1 intros, etc.

TMUDFD TMUscribe TMUslate

Integration with slack

- TMU & Slack Integration for use with Slack Digital HQ of a corporation:

Install TeleMeetUp slack app on your Slack workspace and then link your TMU account with your Slack account to give the right permissions to the app to send messages and create channels.

You can start or schedule a TMU call from Slack using commands, or do the same from TMU web app.

That will result in creating/scheduling a call and creating a channel on Slack equivalent to the call scheduled. Both the Slack channel and the call will have the same participants.

When the call is active, messages sent on the call group chat will be seen on the web app as well as on the Slack channel of that call. Conversely, messages sent on the Slack channel will also be seen on the call chat.of TMU.

When a TMU Call is scheduled, the invitee will get an email that presents the TMU Link for joining the TMU session, and the TMU Link will also appear in the Slack screen of the invitee.

TMUDFD TMUscribe TMUslate

Integration with slack

- **TMUDFD & Slack Integration for use with Slack Digital HQ of a corporation:**
 - i. Create an account on TMUDFD and subscribe to use the service; choose a subscription plan and set up a few parameters, such as enabling waiting room feature, determining whether the sessions are free for visitors or paid, etc.
 - ii. create a chatbot by building a workflow for it.
 - iii. the workflow may include pivoting the interaction between the chatbot and the web visitors to virtual interaction / video conference by TMU with Live Agents at various Slack channels to improve Customer Service for better Customer Satisfaction (CSat)
 - iv. copy a line of script for the widget (a plug-in) and paste it in the webpage(s) to show the virtual assistant button. Optionally you can change the theme of the button and the widget to match the look of the webpage(s).
 - v. now everything is ready and live, and any visitor at the webpage can click on the AI Assistant / Conversational Chatbot and chat/interact with it.

When the visitor requests to speak with Live Agent(s), the AI Assistant / Conversational Chatbot will initiate a TMU Call and invite the Live Agents to the TMU Call by sending an email with a TMU Link to the Live Agent(s) and posting a TMU Link on the Slack screen of the Live Agent(s).

All the calls will be created by/with the account admin, but any Agent can see the call in the calls list and can join the call session with the web client (visitor).

Note that if a client (online visitor) requested chat only and not an audio/video call, an Agent can use either slack or TMU to interact with the client.

Video: https://www.youtube.com/watch?v=_gUI7K756x4

MRESENCE – Presence in Mixed Reality

“See What I See Touch What I Touch”

“SWISTWIT”

- Improves video conference experience by enabling greater clarity and accuracy in explanation, demonstration and instruction
 - *Creates real-time pointing and hand gestures on a remote party's video stream*
 - *Provides a close approximation to presence*
 - *Enables a user to put their hand behind their smartphone and point or gesture. The smartphone's rear camera captures the user's hand movement through Image Segmentation, and the movement is merged with the remote party's video stream through Image Fusion.*
- Useful in Triage of TeleMedicine, Reporting of Accidents in Insurance Business, Remote Classroom, Demonstration of Operation or Application in any situation.

Video to show SWISTWIT in operation

SWISTWIT used by doctor



catering to

All Government Services & Industry Space especially,

- Agriculture
 - Health Care
 - Education
 - Supply Chain Management
 - Online Business of all kinds
 - Remote Collaboration Work
- in all situation

TMUDFD in Government Addressing

Digital Transformation • Automation • Artificial Intelligence • Machine Learning

Long-lasting changes that occur during COVID Crisis and have become part of the “new normal”, notably

- Remote collaborative work
- Cybersecurity becoming even more critical
- Traceability
- Supply chains becoming reshaped in the coming years, both in the physical world and in the data world
- Decarbonization in all production processes, including digital, sharply accelerating

TMUDFD caters to all of the above in providing technology & solutions as cloud-based managed services at scale in easily consumable form as widget installed on Government’s webpages to receive and deal with

- a) the requirement for provision of information, advice and help services of all kinds among various ministries and departments and
- b) the general citizenry

online at the webpages, which are, in fact, the digital front door to achieve

- Great efficacy and efficiency of work operation
- Interactive experience for optimum Customer Satisfaction (CSat)
- Intended purpose and better outcome

TMUDFD

Identified Applications & Practical Use Cases

- Public Works and Parks and Recreation Interaction between field personnel and supervisors
- Road Maintenance and Water Services Meter Reading and Billing
- IT Training/HR Training/First Aid Training
- Library and Community Programs/Activities
- Public Information and Education on Health, Environment, Social Events, etc.
- Bill Payment
- Citizen Journalism, incidental and/or routine reporting
- TMU Virtual Interaction / Video Conference with special features for operation with approximation to presence by MRESENCE greatly enhances the efficacy & efficiency of work operations involving people
 - who are geographically apart or
 - who are mandated by government to observe Social Distancing or Shelter-in-Place
- TMUDFD enables efficient and effective servicing of large volume of clients concurrently seeking information and advice, education, etc.
- Entire interactions are recorded in multimedia for use in posterity with available curation and archiving for ease of retrieval.

TMUDFD in Agriculture

TMUDFD is eminently suited for use in Agriculture in various practical ways

Conversational Chatbot in Autonomous Conversation in speech interacting with farmers online in their local language (English, French, Arabic, Spanish, Hindi, etc.) with automatic accurate transcription and translation into various languages in real-time for

- a) data collection, survey and reporting
- b) dissemination of knowledge and findings resulting from analyzing the millions of data points generated by the agriculture lands and observation made from outer space for the farmers to make informed decision in time by studying weather conditions to determine the right time to sow the lands and to better manage water usage
- c) explanation and illustration with added clarity in the use of equipment or procedure for the application of fertilizers or pesticides with the use of functionality of MRESENCE for SWISTWIT, Screen Sharing and Whiteboarding
- d) advice and practice of Precision Farming

Precision farming is a technology-backed approach that observes and analyses farm lands to attain effective and efficient agricultural yield. Precision farming comes up with tailor-made suggestions for specific crops and plots. The conventional way of using the same techniques for all kinds of crops and land led to a lot of wastage of resources. Precision Farming has not only helped curb that but also reduced the overall negative impact on the environment.

All achieved in multiple instances concurrently accurately, diligently, tirelessly, anytime 24x7 with great efficacy and efficiency and virtually unlimited capacity

TMUDFD Autonomous Conversations automates basic, time-consuming consumer queries and tasks in real time. It can retrieve information and account details, resolve basic queries and quickly complete transactions — and largely eliminate human error that can occur in customer service. It significantly reduces the average time spent by customers on the phone to resolve simple queries.

TMUDFD for Health Care Service

Urban Healthcare

TMUDFD enables healthcare providers to support and treat patients in their homes and whenever they need assistance.

This increase in support helps to

- bring about early intervention for diseases and illnesses
- provide ongoing care to patients with chronic conditions
- increase patients' access to available healthcare professionals

Distinct Benefits of TeleHealth & TeleMedicine with TMUDFD:

- Reducing re-admissions: With the ongoing COVID-19 pandemic, it's important to limit hospital visits for patients.
- Through TMUDFD, the medical team can educate patients, coordinate their care requirements, and improve their medication adherence.
- Improved patient access and retention: TMUDFD enables the medical staff to consult with more patients in less time, regardless of location.
- Hospitals and other healthcare institutions can provide virtual consultations with patients over TMU virtual interactions no matter where they are.
- This accessibility increases engagement levels and ensures patients get the assistance they need when they need it.
- Optimized resources: The healthcare providers can also become more efficient by carrying out virtual triage and expanding the level of access patients have to their doctors and consultants.

TMUDFD for Health Care Service

Rural Healthcare & Mental Healthcare

Rural Health Care is hampered by the lack of essential resources.

TMUDFD can be adapted to improve healthcare provision in rural communities in significant ways as services for

TeleHealth – Provision of healthcare information & education by the operation of Conversational Chatbot of TMUDFD and Virtual remote interaction by TMU

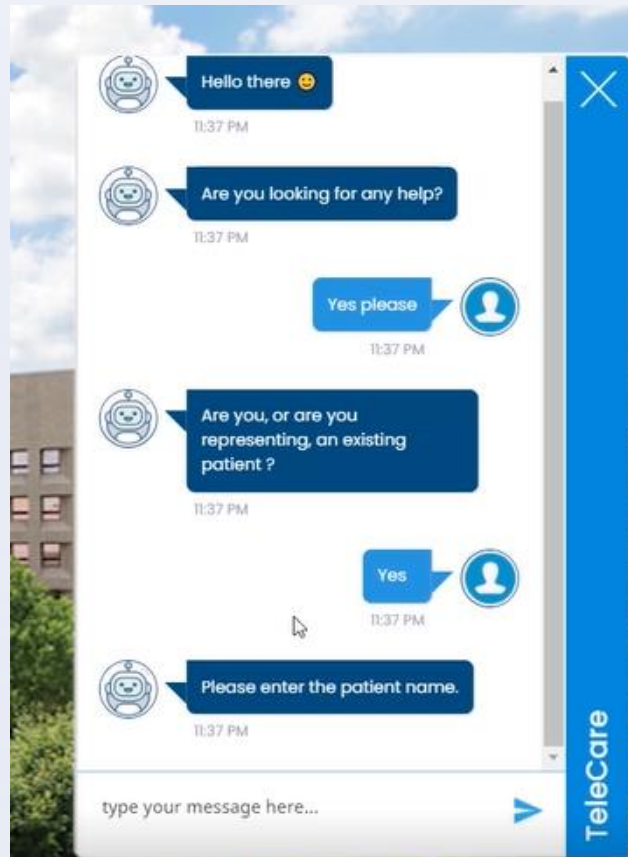
TeleMedicine – Triage for primary care and emergency care by leveraging the medical resources available in urban hospitals and urban clinics

[View video](#)

Mental Healthcare – see full presentation at [Mental Health Care](#)

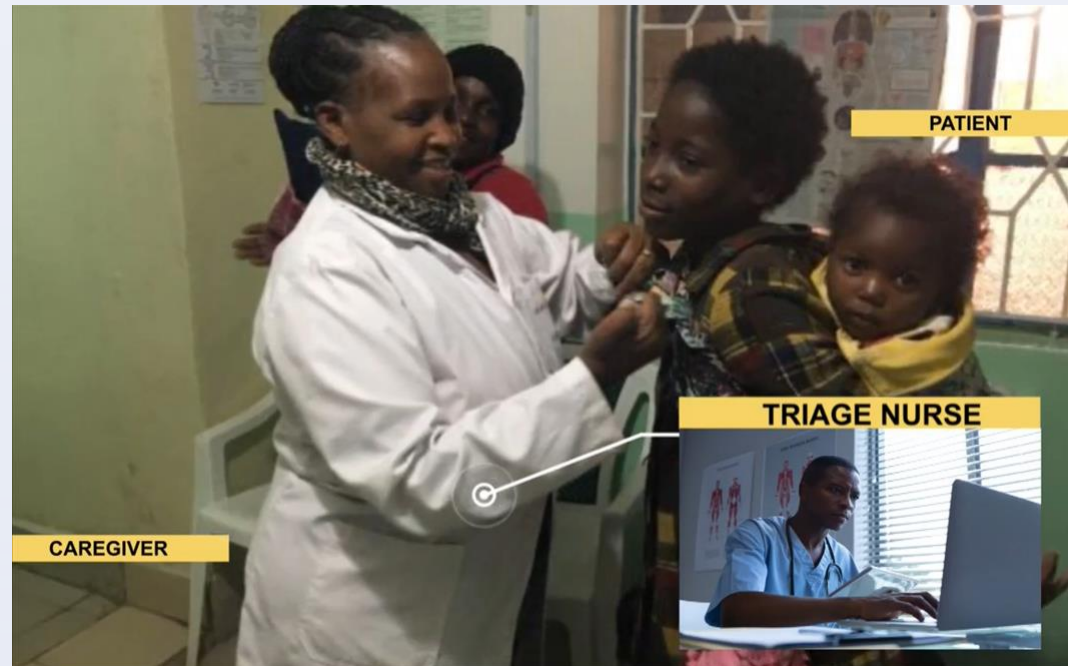
Video of typical Conversational Chatbot in operation

Chatbot for triage



For a quick illustration of TMUDFD in use, please view the following footage in an application to provide TeleHealth & TeleMedicine services to rural community by utilizing the resources of urban hospital.

[Video for TMU Widget for Amref](#)



Excerpts

[Widget on website](#)

[TMU session among patient, caregiver, and nurse](#)

[SWISTWIT used by nurse](#)

SMEDFD™ & GIGDFD™

TMUDFD for SME & GIG ECONOMY

Conduct SMB and Gig Biz at your Digital Front Door - any of your webpages

Powers your SMB & GIG operation with digital functions for receiving and dealing with Visitors/Clients at your webpage – your digital front door

You get Workflow designed to meet your needs for

- information provision including database lookup
- automation including RPA
- real-time speech-to-text transcription with translation of the transcribed texts into various languages
- seamless transition of the interaction with Visitors/Clients to text chat or video conference with Live Agents
- MRESENCE functions for approximation to PRESENCE, SWISTWIT, Whiteboard, Screen-Share and Recording in multimedia
 - You can show off your wares and your skills and demo your services with finger-pointing clarity across language barriers and barrier due to politics, culture and geography.
- integration with Slack endpoints where Live Agents can interact with Visitors/Clients
- secured on-boarding of new clients
- time-based billing for services provided
- payment gateway
- dashboard for visibility of service activity & performance, usage, accounting, etc.

TMUDD

for Slack Digital HQ

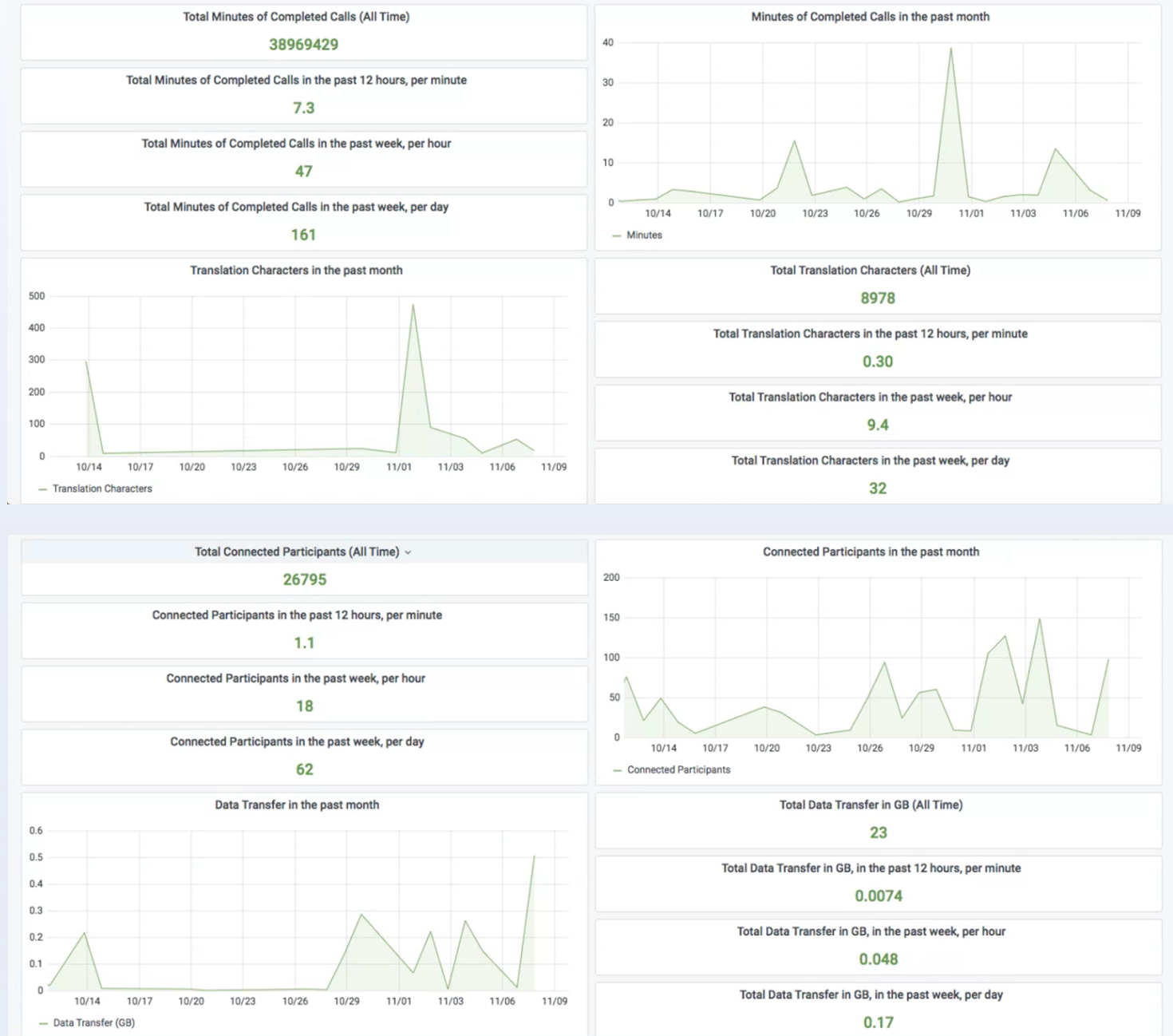
Your Digital Front Door with Conversational Voice AI and Virtual Interactions & Video Conferencing with Live Agents at your Slack endpoints to achieve quintessential CX for optimum Csat

You get Workflow designed to meet your needs for

- information provision including database lookup
- automation including RPA
- real-time speech-to-text transcription with translation of the transcribed texts into various languages
- seamless transition of the interaction with Visitors/Clients to text chat or video conference with Live Agents
- MRESENCE functions for approximation to PRESENCE, SWISTWIT, Whiteboard, Screen-Share and Recording in multimedia
 - You can show off your wares and your skills and demo your services with finger-pointing clarity across language barriers and barrier due to politics, culture and geography.
- secured on-boarding of new clients
- time-based billing for services provided
- payment gateway
- dashboard for visibility of service activity & performance, usage, accounting, etc.

Typical Dashboard Display

- Calls
- Minutes
- Data transfer
- Translation characters
- Participants
- Registrations
- Etc.



TMU

purpose-designed & integrated with other useful Software Packages

- TMU-Webinar
- TMU-LMS
- TMU/Unity Plug-In for Multiplayer Games
- TMU Integrated with Salesforce
- TMU Integrated with Slack
- TMU Integrated with Zendesk
- TMU Universal Connector for Automation Platform for easy integration with 450+ popular business software packages
- TMU-Restream for streaming to all social media platforms
- TMU-Transcribe

These special integrated packages are immensely useful for

- Conducting Webinars & Training Courses
- Managing and maintaining relationships with supplier and providers of goods and services and customers and clients
- Managing support services
- Facilitating ease of integration with other useful Software Packages as and when required
- Enabling instant streaming to social media
- Instant Speech-to-Text translation

Compliance & Global Cloud-based Operation at-scale

- TMU-Switch is HIPAA compliant
- GDPR Compliant Service Provision
- Software written in Go for robust resilient operation
- Multiple Redundant Servers running in AWS Cloud in various regions:
 - USA/Canada
 - India
 - Europe
 - Africa

Strategic Partnership with Government & Businesses

■ Strategic Partners as Service Providers

TMU & TMUDFD Service Platform cater to the needs of Clients/Strategic Partners as Service Providers with OSS facility to do business of service provision in their respective markets/regions:

- Various kinds of Pricing Models:
Pay-per-use; Subscription; Service Bundles
- Granular Billing/Invoicing for various billable elements
- Order Form/Shopping Cart & Payment Gateway
- Dashboard for easy visibility of service/network performance
- Heat Map display, etc.

■ Business Models of TMUDFD Services

- *B2B*
Integration with other service packages through SDK
Integration with other devices through USB Type C
- *B2B2C*
As cloud-based managed service provision of services that cater to consumers
- *B2C*
Direct service provision to consumers in worldwide markets

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