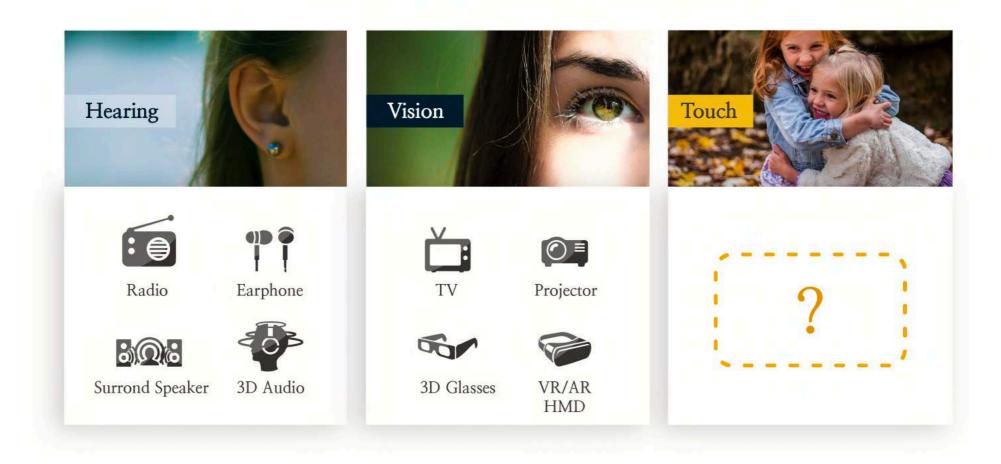


Audio-visual displays are very common and developed tremendously. bHaptics is now bringing haptics to everyone's lives to further enhance the user experience.





X1 Haptic Bootsuit from the movie "Ready Player One" well illustrates how bHaptics is bringing VR closer to the reality with haptic display.





bHaptics developed a wireless full body haptic suit called "Tactsuit".

Tactsuit is the most selling and most affordable haptic suit in the world until now.



TACTSUIT

- 70 70+ actuators for most elaborate stimulation
- Wireless Bluetooth connection
- ⊗ Non-perceivable latency
- 12+hours battery life
- Individually operative
- One-size-fits-all
- Easy to wear

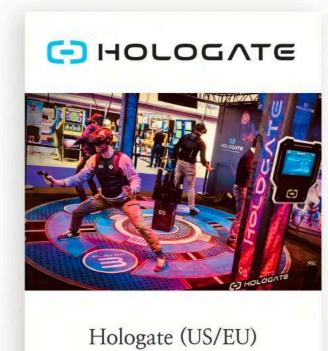


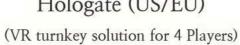
Application of haptic suit is not limited to the gaming but many other business segments for their immersion, realism and accuracy to improve user experience dramatically.





Tactsuit has been widely used by top-selling global LBE (Location based entertainment) franchises. It is well known for its ability to create unique and most realistic user experiences.









Sandbox VR (US/Asia)
(VR Arcade Franchise)

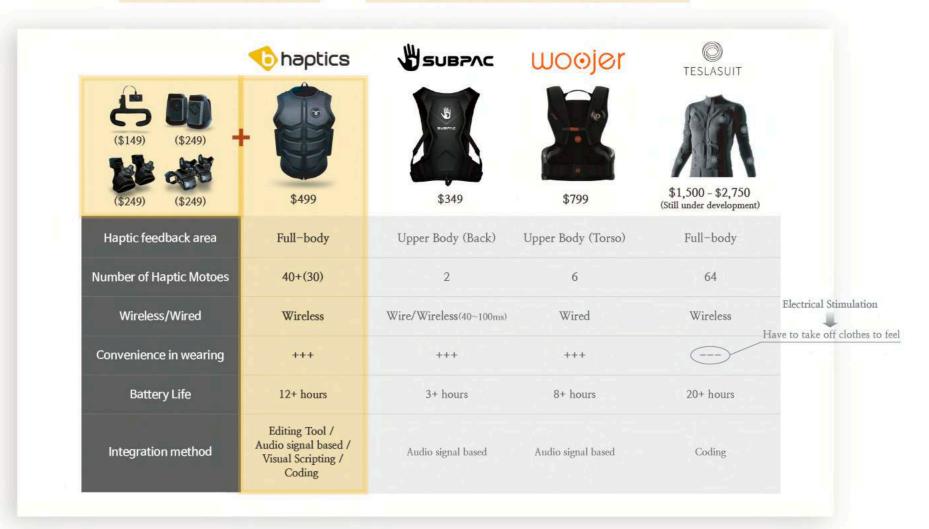




VR Plus by Goodgames (China) (VR Arcade Franchise)



Tactsuit overwhelms its competitors in every aspect especially in terms of its ability to create most elaborate haptic feedback (i.e. # of stimulation points), ease of integration and latency free wireless operation etc.





From the beginning, we chose "easy integration with content" as a more important goal than device development.

SW support for haptic is a huge technical advantage we have compared to competitors.

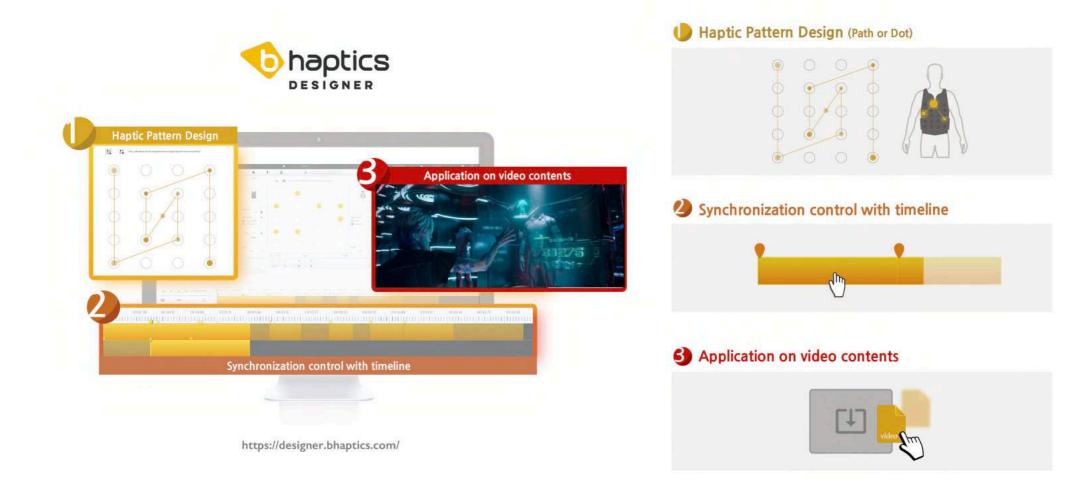








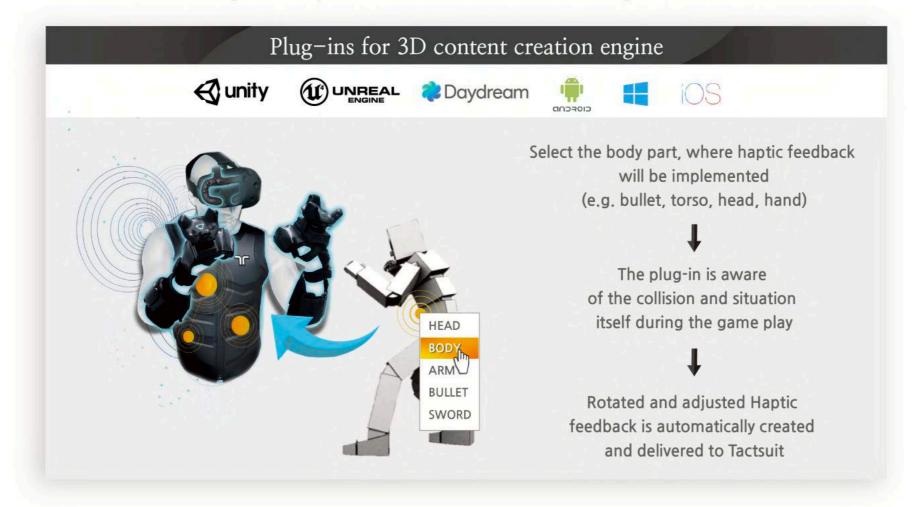
share complex haptic patterns, and apply them to various content, just like applying subtitles to the movie.





Game developers use our 3D game engine plug-ins to integrate Tactsuit into their content.

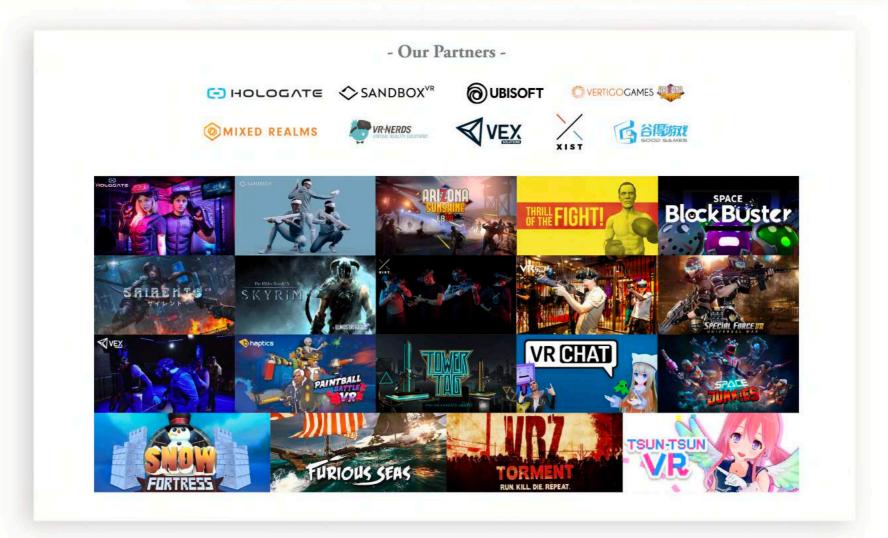
Most of integration process can be done via Visual Scripting,
which requires only a minimum modification of original source code.





Developer centric SDKs and SW support allowed over 300 developers from 40 countries to use Tactsuit for their content.

In this way, bHaptics created the greatest values for the users and the biggest barriers for the competitors.





"Audio-to-Haptic" feature, released recently in 2020, automatically analyzes the content's output sound (stereo/surround) and converts it to haptic feedback in real-time.

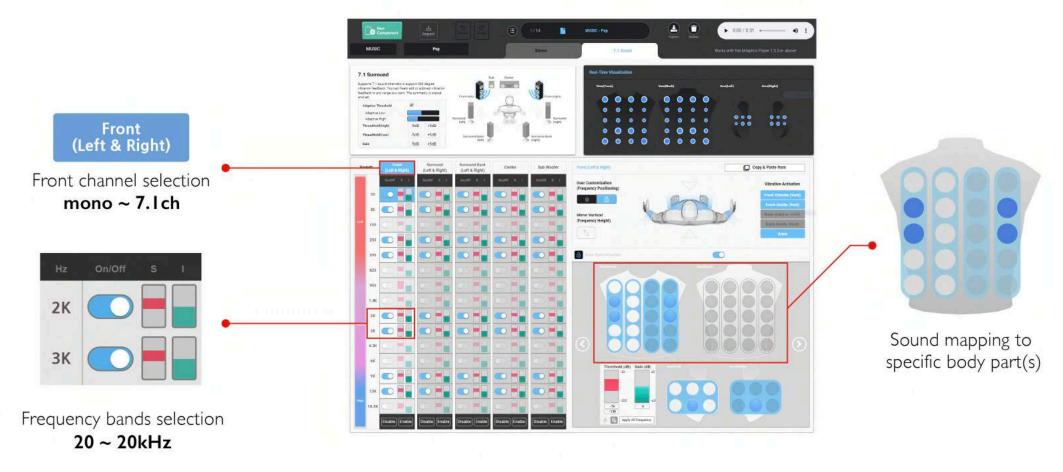
In this way, users can now feel and detect the direction of enemy's explosions and gunshots from afar while playing PC/console games or watching Netflix.





Users can enjoy Audio-to-Haptic with numerous default settings for different content.

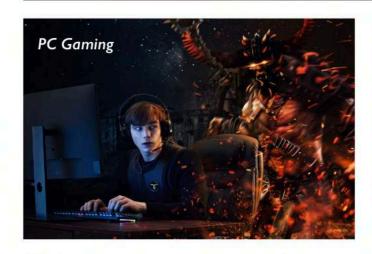
In addition, with our intuitive web-based editor, users also can customize parameters such as sound channels, frequency bands, gain/threshold, and haptic mapping onto the vest for optimized experience.





Until 2019, we targeted B2B segments (e.g. Location Based VR Arcade, Training, Research). From 2020, we are **expanding toward B2C market** with more applications (i.e. PC Gaming, Music & Movie) other than VR.

TACTSUIT Applications



PC Gaming
Tactsuit x 7.1 Channel Sound

Tactsuit enchances your situational awareness by providing directional haptic feedback based on 7.1 channel sound output.



VR Content
The last piece to complete VR

You can feel everything you experience in VR game, social VR and VR-based training. From a samurai cut to soft hug, bring VR to life with Tactsuit,



Music and Movie

A new way of enjoying Music, Movies, and More

Turn your room into a private 4D theater or concert hall to feel every action and rhythm/beat.



b haptics Bring haptics to your life! YZOTORT