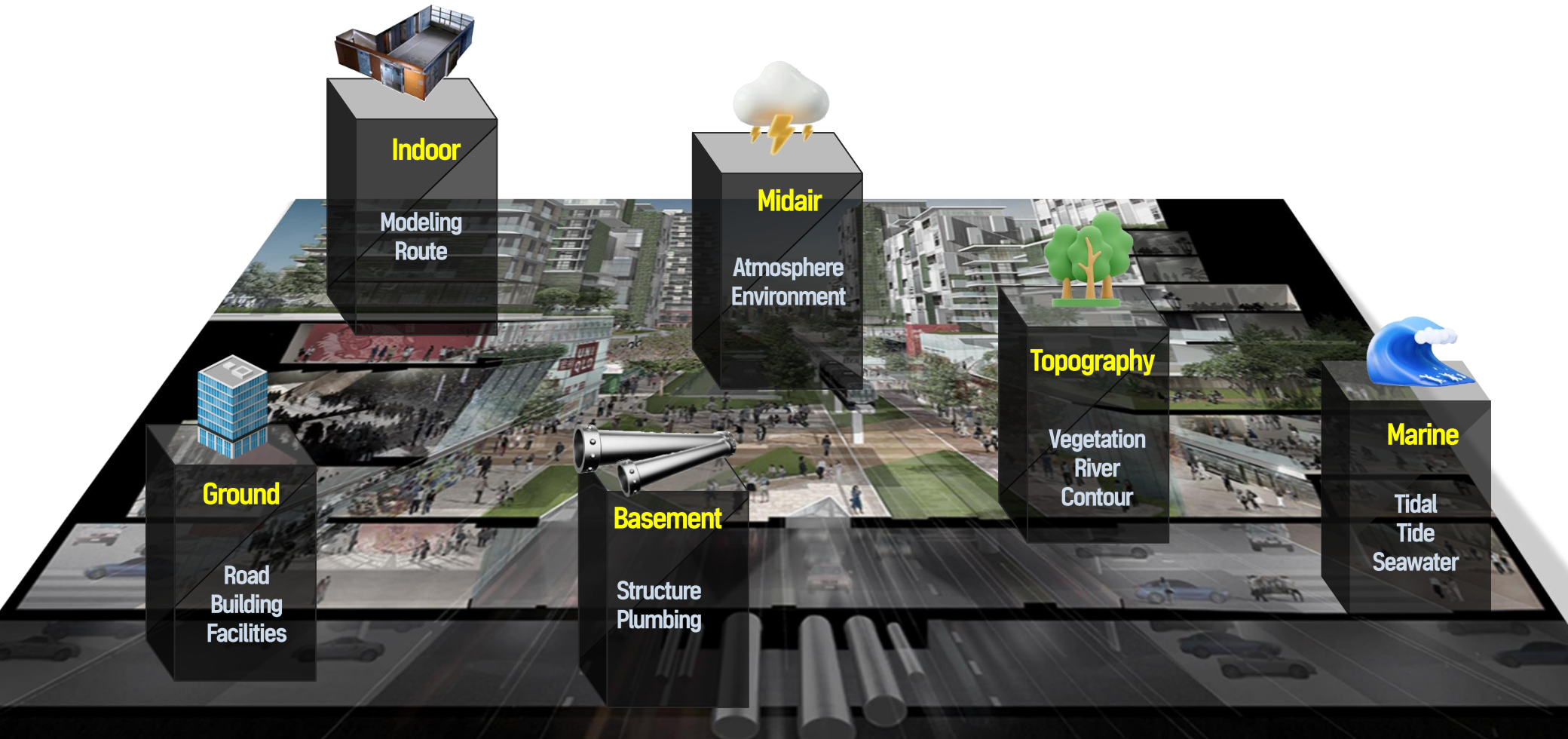


Diversification of mapping products through utilization of geospatial information

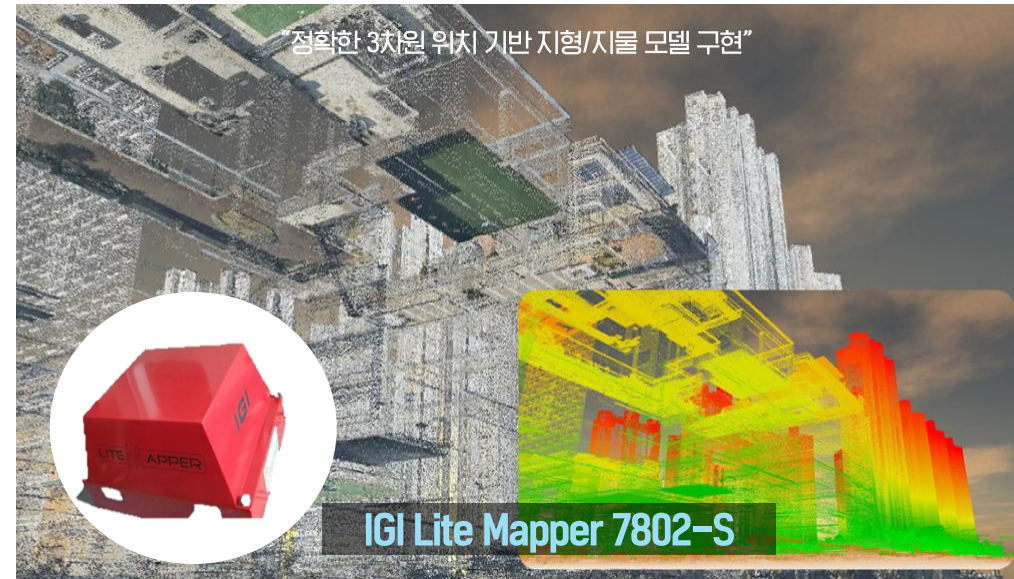
The era of spatial big data that transcends boundaries and dimensions

With Data Creator Group Saehan!

“Now, it is essential to secure technology that fuses dimensions beyond the boundaries !”



company introduction



company introduction

“A group of hyperscale spatial data creators that transcend boundaries and dimensions”

Powerful Gear



On-Demand Solution



Revolutionary Idea



Social Value



Digital twins that cover all areas

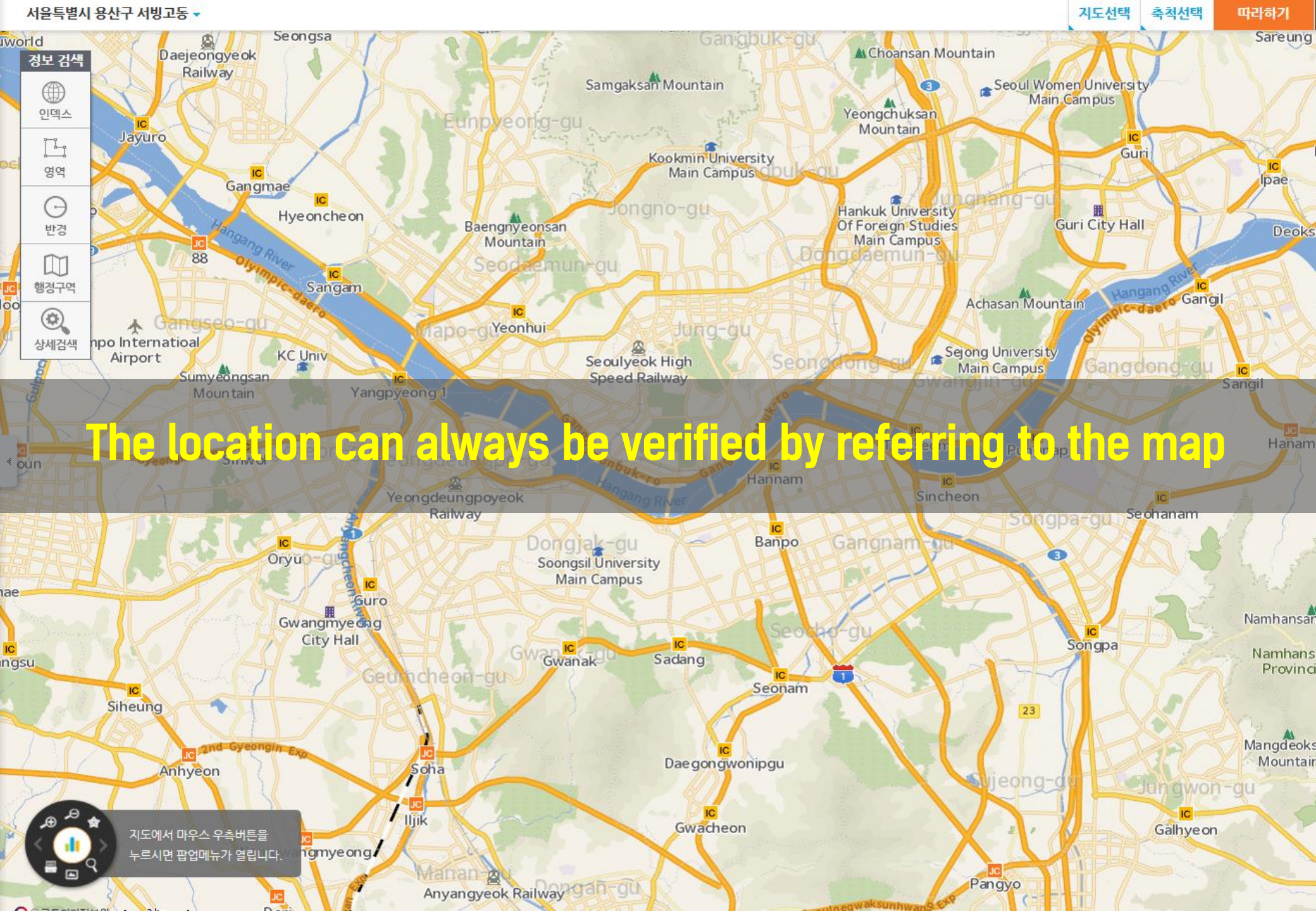
State-of-the-art equipment and processing technology for high-precision realization

Guidance for the socially disadvantaged

Automating 3D modeling for real-world realization

Convergence of spatial information

Solutions for building high-quality data



- 정보 검색
- 인덱스
 - 영역
 - 반경
 - 행정구역
 - 상세검색

The location can always be verified by referring to the map

지도에서 마우스 우측버튼을 누르시면 팝업메뉴가 열립니다.

Alienated from the world...

**Individuals with
visual impairments
in the Republic of Korea**

253,000

It will be in every country

“Can you touch the big hole?

This place is...”

**To date, there has been no braille map available
for individuals with visual impairments**

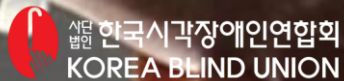
Since 2014



**To help individuals with visual impairments understand
accurate geographic information,
braille maps and regulations for creating such maps are necessary**



Overcoming through **collaboration**
with related agencies



한국시각장애인연합회
KOREA BLIND UNION



맹학교 및 복지관



Usability evaluation
1:1 Collecting Opinions



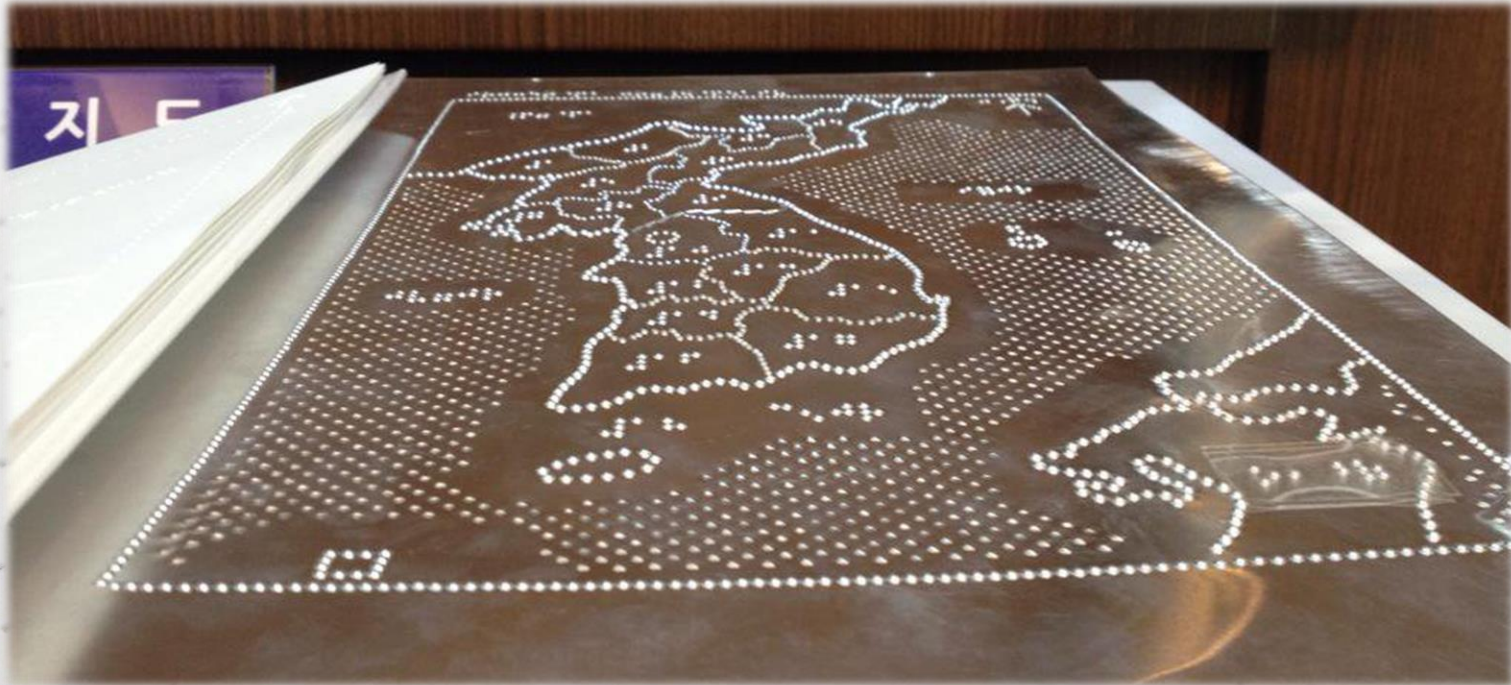
Formation of **professional committee**
Development of Braille map Regulations



Application of
various **printing methods**

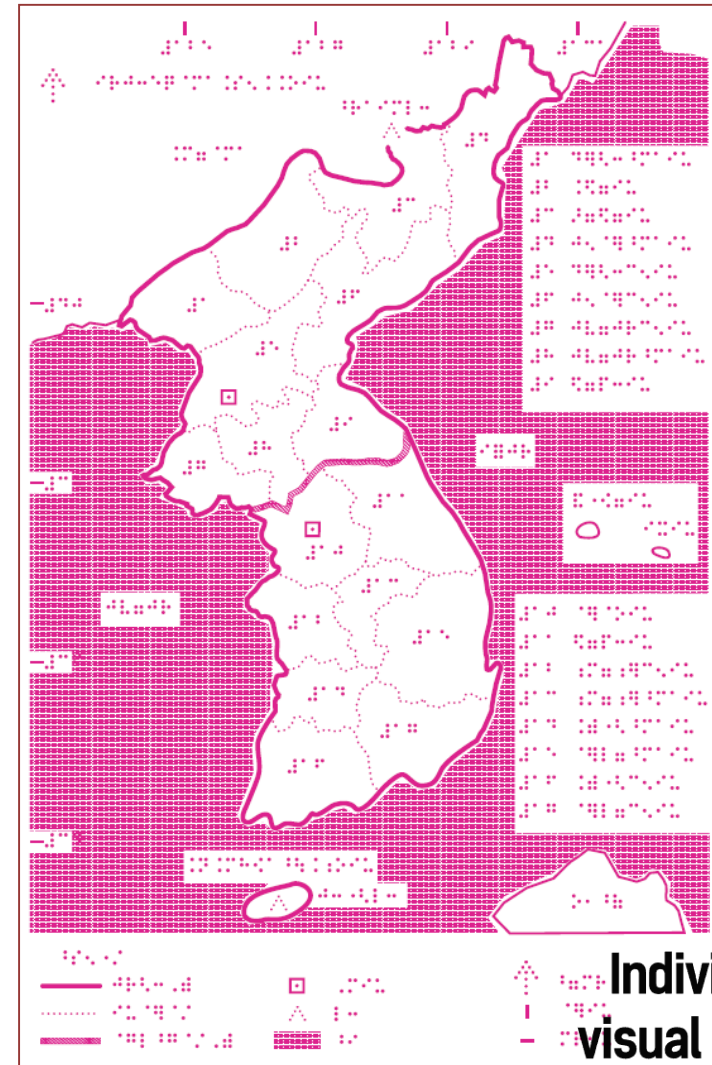
Braille Map for People with visual impairments

What is a Braille Map?



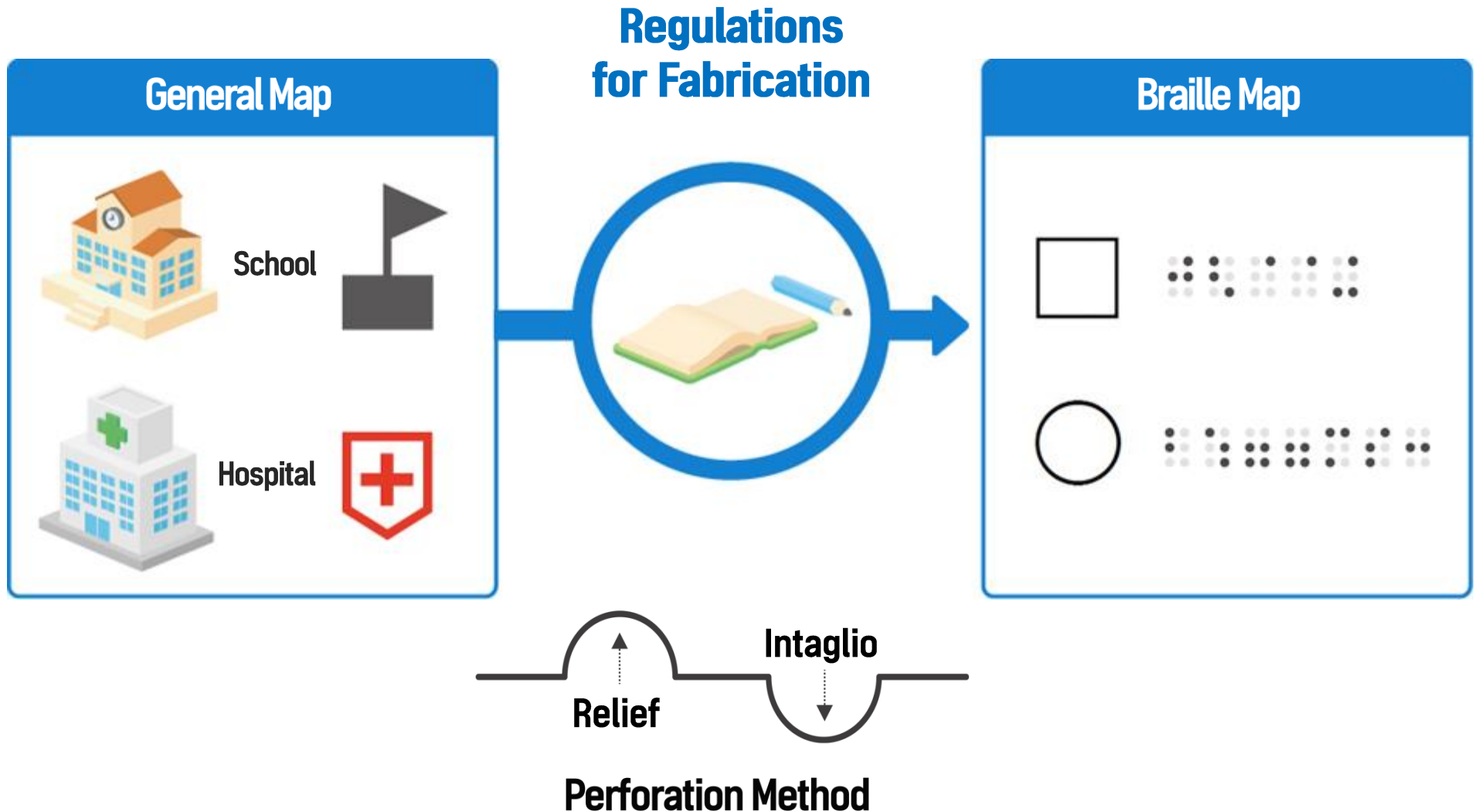
**A map with consistent symbols and linear markings
designed to be read by individuals with visual impairments by hand**

For individuals with low vision and individuals with visual impairments to access together **Braille Map of Korea**



Regulations for Simplified and Uniform Symbols and Information

Regulations for Braille Map Fabrication

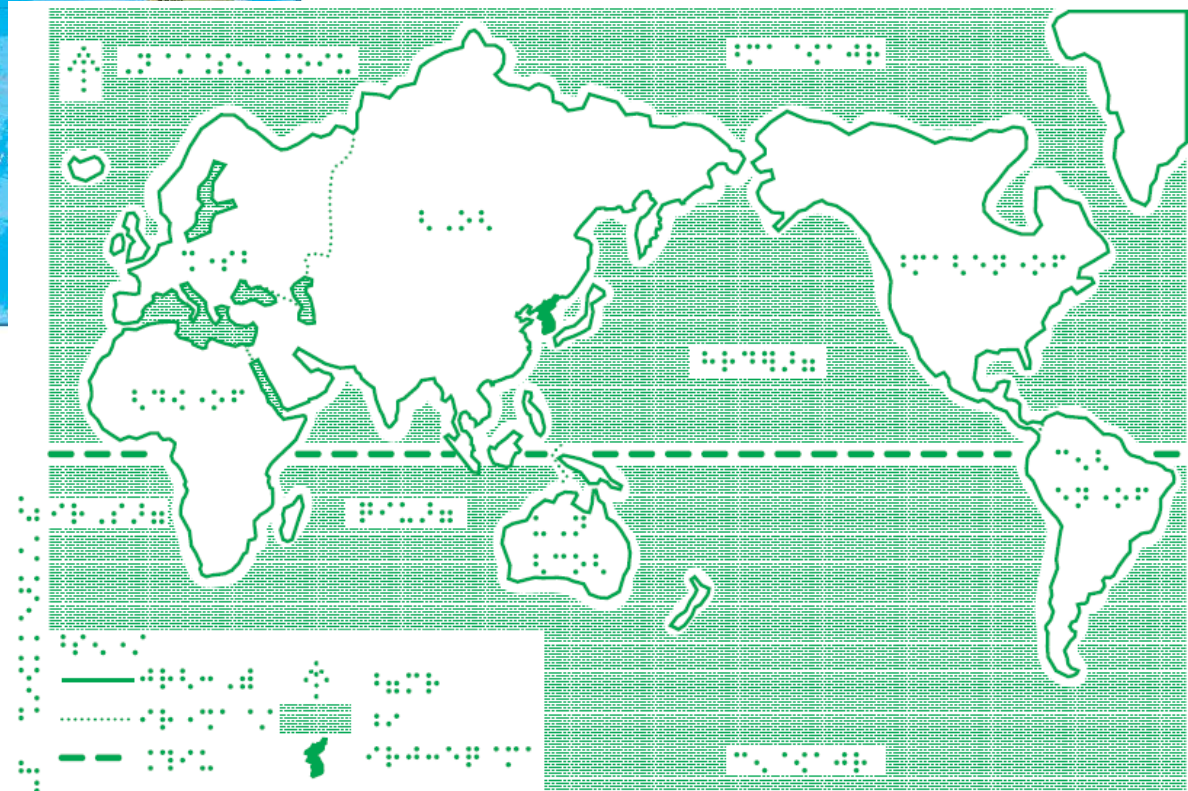


- Education -

Neighboring Countries and World Map



Instructions for Supporting the Education of Students with Visual Impairments in Schools Nationwide



Landforms
Marine Features
Equatorial Line

- Tourism Information -

Braille Guide Map of National Park

전나무숲길 상원사

오대산국립공원 점자 안내지도

오대산국립공원은 문화와 자연이 함께 어우러지며 1,563m의 비로봉, 작은 금강산 소금강이 있다. 홍천군, 함양군, 강릉시에 걸쳐 백두대간에 위치하며 약 6,590여 종의 동식물이 서식하고 있고 상원사와 칠정사에는 국보, 보물 등 문화유산이 가득하다.

범례

- 행정경계
- 탐방로
- ① 상원사
- ② 전나무숲
- 오대산국립공원

키 180cm 성인의 약 15배인 전나무 알아보기

휘어질 없이 곧게 뻗은 아름다운 줄기와 진초록의 짙속한 잎을 가진 나무로 열매는 솔방울이고 크기는 30~40m 일

소나무과의 일종으로 식물상 살균 물질인 피톤치드가 나와 스트레스를 감소시킴

칠정사 일주문에서 금강고개까지 팔토길 1km에 걸쳐 양 옆으로 줄지어 있을

키 180cm 성인
1.8m (1.8m=180cm)

본 지도의 제작 및 편집은 국립공원관리공단에서 이루어졌으며, 무단복제할 수 없습니다.

제작: 국립공원관리공단

오대산국립공원은 문화와 자연이 함께 어우러지며 1,563m의 비로봉, 작은 금강산 소금강이 있다. 홍천군, 함양군, 강릉시에 걸쳐 백두대간에 위치하며 약 6,590여 종의 동식물이 서식하고 있고 상원사와 칠정사에는 국보, 보물 등 문화유산이 가득하다.

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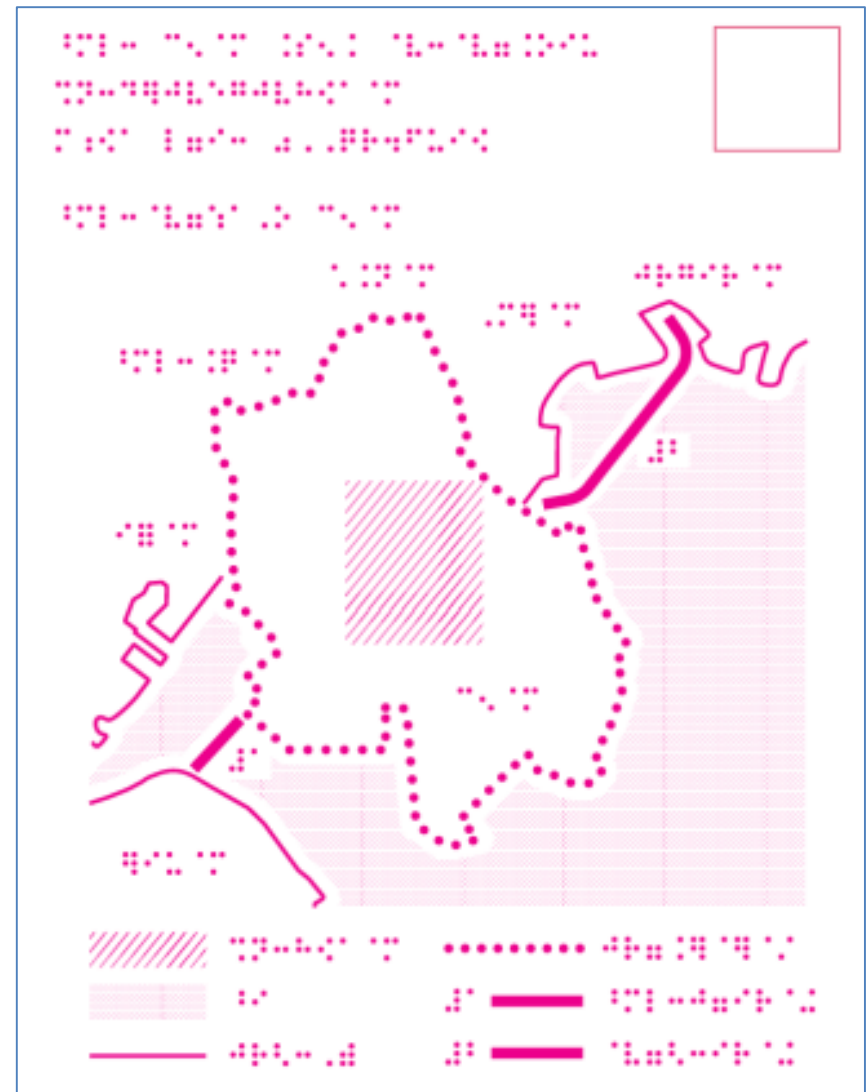
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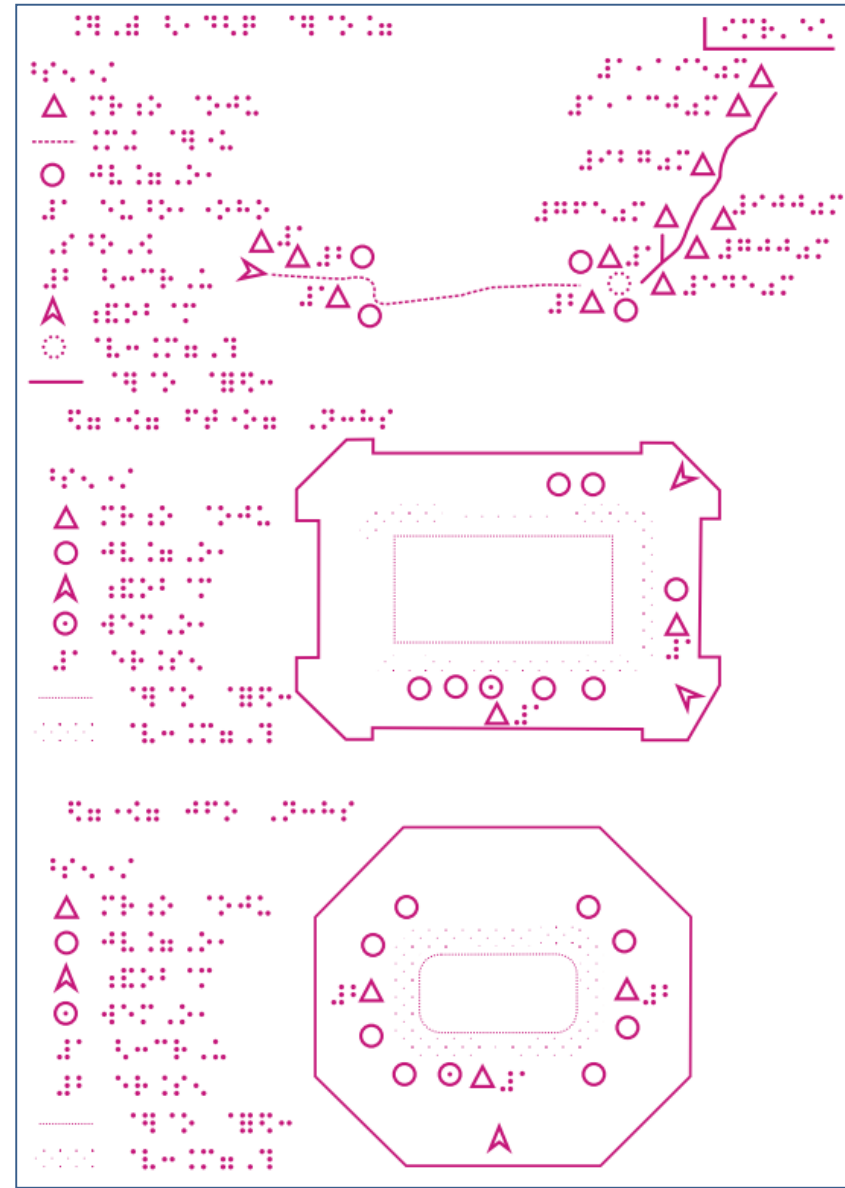
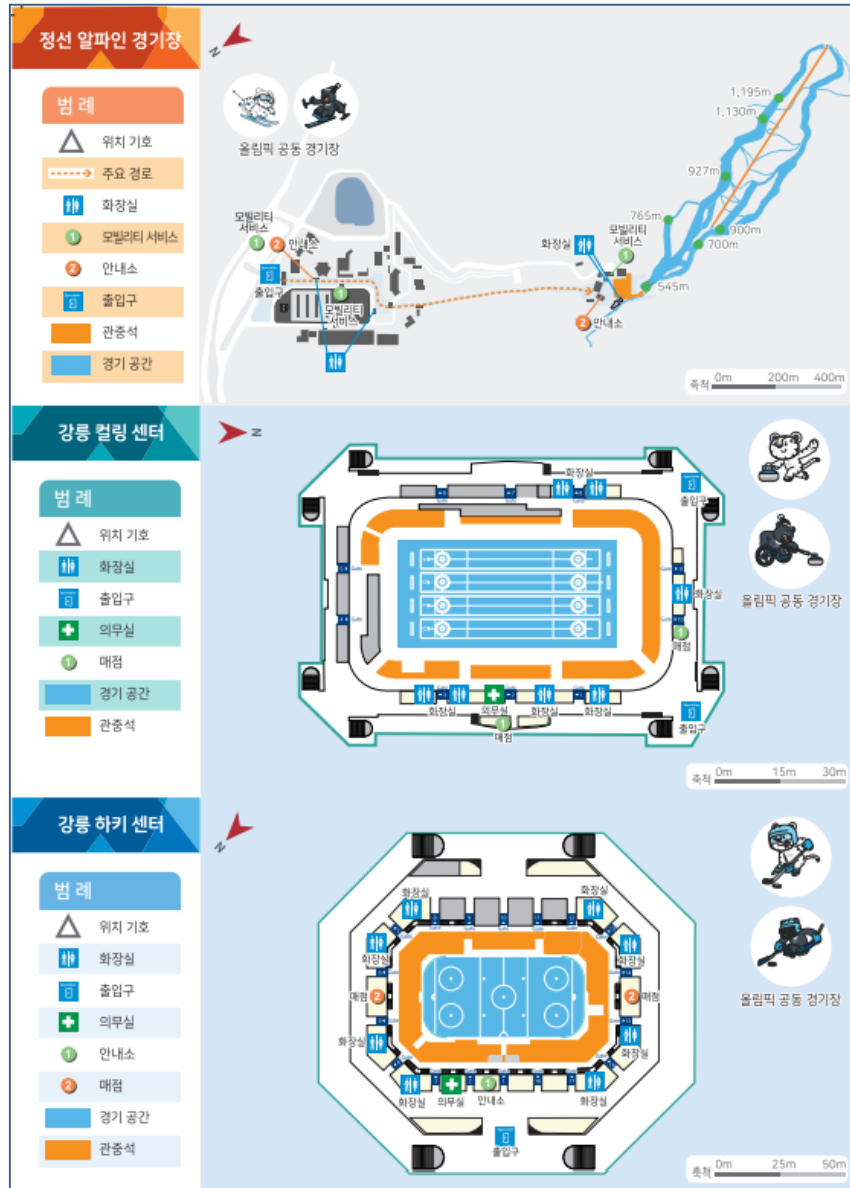
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제작: 국립공원관리공단

- Institutional Promotion - Public Relations Guidance of Local Institutions



- National Events -



- Other Braille Maps -

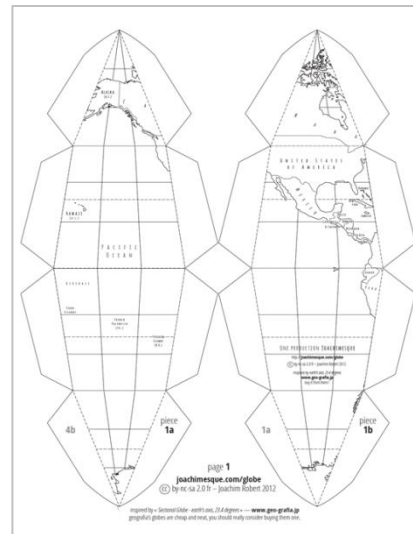
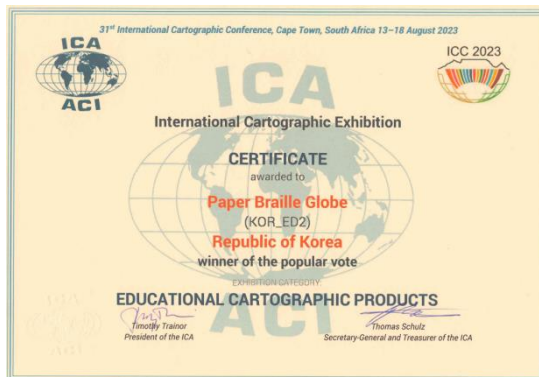
Braille Guide Map of Seoul Namsan



World Map Puzzle Using 3D Printing



3D Paper Globe



- Technology Integration -

Digital Braille Map Web service



Voice Direction Guidance Application

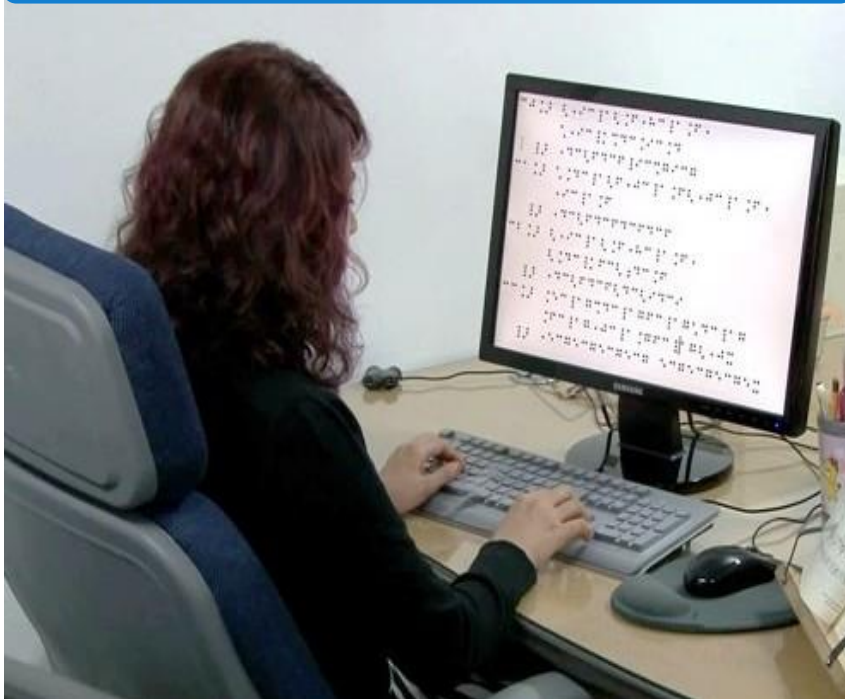


- Quality -

Enhancement of completeness through expert inspection process

Professional Braille Translator & Braille Proofreader

Professional Braille Translator



Professional Braille Proofreader



Improved Braille Map completeness and reliability

Communication

Improvement of Satisfaction and Braille for Individuals with Visual Impairments

1:1 Usability Evaluation with Individuals with Visual Impairments



Expectation Effectiveness

**Generation of Second and Third Derivative Effects
for the Enhancement of Social Activities, Education, and other Aspects
for Individual with Visual Impairments**



Derived Effect of the Joint Use of Braille Map by over 2 Million People



Produce Braille Maps that Enable Global Communication for All

“ Marking Braille is not just a task, but reflects the shared mindset of everyone with visual impairments ”

(A statement from a person with a visual impairment during the evaluation)



SAEHAN
AERO SURVEY CO.,LTD.

Thank you