

**KOREA**

**GYEONGSANGBUK-DO**

**PAVILION  
DIRECTORY**

**Mobile World Congress 2025(MWC 2025)**

**3 - 6 March 2025**  
**Fira Gran Via, Barcelona**

# Great Business!

**Gyeongsangbuk-do**, another name for successful investment  
 More opportunities! A better investment Environment!  
 Invest in **Gyeongsangbuk-do**

## Growing Business

The mecca for future-oriented industries



**Gumi** : Carbon fiber  
**Pohang** : Korea Institute of Robot & Convergence

## Green Business

The center of green energy



**Yeongdeok** : Wind Farm  
**Gimcheon** : Solar Park

## Good Business

Scenic, natural tourist attractions



**Cheongsong** : Jusanji Pond  
**Gyeongju** : Bulguksa Temple

## Global Business

A hub for business in the Pan-East Sea Circle in Northeast Asia



**Gyeongju** : Hwabaek International Convention Center  
**Pohang** : Yeongilman Port

## Overview of Gyeongsangbuk-do



Population  
**2.63** million



Number of companies  
**19,033** Km<sup>2</sup>  
 largest province in the Republic of Korea



Area  
**236,807** (as of 2020)



Number of workers  
**1.35** million  
 (as of 2020)



Exports  
**USD 37.71** billion  
 (as of 2020)

## Industrial structure



primary industry  
**19.1** %



secondary industry  
**20.6** %



tertiary industry  
**60.3** %

## A better investment environment!

Beautiful gems of nature, culture, a world-class infrastructure, and advanced science can all be found in Gyeongsangbuk-do. Business, led by the IT industry in Gumi and the steel industry in Pohang, has spearheaded Korea's economic growth over the past fifty years. In communication with people around the world, Gyeongsangbuk-do provides an optimal investment climate that will help you fly on the wings of success.



Located in the southeastern part of the Korean Peninsula, GYEONGSANGBUK-DO is making efforts to activate six key industries: smart manufacturing, aerospace and mobility, advanced green new materials, bio-medical devices, next-generation energy, and electronics and telecommunications.

In this year's MWC, we have joined forces with competitive companies in the fields of mobile communication, Beauty&Healthcare, AI, UAM, and other ICT sectors to explore new business possibilities.

We kindly request your keen interest in the excellent enterprises and products developed through state-of-the-art innovative technologies in GYEONGSANGBUK-DO.





Company			
CEO	Hojun, Rhee	Main Product	Sensor Device, AI-Vision solution
Organization	Head Office in Korea, R&D Branch Office in Vietnam	Website	<a href="https://www.aitron.co.kr/">https://www.aitron.co.kr/</a>
Address	(head office) #219, Business Center G12, Yeungnam Univ. 80 Daehak-ro, Gyeongsan, Korea, 38541 (branch office) #301, 137-141 High Street, New Malden, London, UK KT3 4BH		

## Business

### MONGTRON AI-Solution

- **Classification :** AI
- **Specifications :** 158.1 mm × 73.8 mm × 8.5 mm
- **Product Price :** 120\$ per user
- **Introduction :**
  - Interactive content, Improving body balance, Personalized training
  - Increase basic exercise levels, Maintaining proper posture, Activating cognitive abilities
  - Immersive 4K real-life content
  - A biofeedback device that provides feedback on user movements using AI technology
  - A smart mat that recognizes foot pressure using 256 sensors, providing data on body balance and personalized training
  - AiTron's Smart mat StepOn is a personal health care product that combined the interactive gaming system with exercise.
  - StepOn mat potentially helps children to focus and maintain their attention for longer using the various digital technologies and the brain-changing effects of exercise.
  - While doing different physical activities such as proper walking and balance exercises on the mat for missions in the game, a child will easily find it interesting and will be motivated.
  - As for contents in Medical version, there is a virtual Ai-Avata called MONGTRON which can be connected with IoT smart mat StepOn. It's a functional game where a user completes quests while hiking a mountain with MONGTRON together on real background images.
- **Business Responsibility :** 📞 Hojun, Rhee   📧 [info@aitron.co.kr](mailto:info@aitron.co.kr)   📞 +82 10-8550-5863



## Research

- **Possessed Technology and Certification :** KC Mark cleared, 2 Patents in Korea
- **Owned equipment and facilities :** NAS Server, Blue X-ray v1.0 (Security Solution)

# Impactive AI



IMPACTIVE AI Impactive AI provides decision support systems that improve corporate performance through advanced machine learning prediction technology, specializing in sales and inventory optimization. With 44 patents filed and registered, it leverages world-class AI capabilities and deep business expertise to help businesses anticipate outcomes and increase profitability.

Company			
CEO	Doohee, Chung	Main Product	Deepflow – AI Prediction Solution (AI-based demand forecasting solution)
Organization scale	17 People	Website	<a href="https://impactive-ai.com/">https://impactive-ai.com/</a>
Address	(head office) 406 Handong Business Incubation Center, 558 Handong-ro, Pohang-si, Gyeongsangbuk-do, Rep. of Korea		

## Business

### Deepflow

- **Classification :** AI
- **Specifications :** Inquiry to company
- **Product Price :** Inquiry to company
- **Introduction :**

Deepflow is offered as a SaaS solution that applies AI demand forecasting technology throughout the entire product lifecycle to enhance productivity. It serves a wide range of industries, including manufacturing, distribution, ICT, and food sectors. Deepflow helps businesses maximize profitability by providing advanced features such as sales forecasting, inventory

- forecasting, predictive inventory management.

#### Distinction :

- Deepflow achieves over 90% accuracy in demand forecasting, minimizing inventory shortages and surpluses, helping businesses avoid overproduction and overspending.
- Reduces costs and enhances efficiency by optimizing inventory and production processes, preventing unnecessary waste and ensuring streamlined operations.
- Deepflow integrates external data, such as seasonal, weather, and economic indicators, to provide tailored predictions that meet the specific needs of businesses.

- Business Responsibility : Eunyeong, Choi [alice@impactive-ai.com](mailto:alice@impactive-ai.com) +82 10-2906-1931



## Research

- **Possessed Technology and Certification :**

- 45 Intellectual Property Rights: 36 patents, 3 designs, and 6 trademarks.
  - \* 10-2577826 / Method and device for generating predictive models / Registration / Patent / R.of Korea
  - \* 10-2573979 / Predictive New Product Development Method and Device / Registration / Patent / R.of Korea
  - \* 10-2687917 / A method and apparatus for predicting product demand using a decompression technique and a machine learning hybrid model / Registration / Patent / R.of Korea
  - \* 10-2726942 / Method and device for predicting new product sales volume using machine learning-based hybrid model / Registration / Patent / R.of Korea
  - \* 10-2726947 / Method and device for constructing machine learning-based hybrid models for advancement of new product demand prediction / Registration / Patent / R.of Korea
- 'INNOBIZ' Certification

Company			
CEO	Hajae, Kwon	Main Product	Antenna / RF Modules
Organization scale	16 people	Website	www.bluewavetel.com
Address	(head office) #C-218, 17, Techno 4-ro, Yuseong-gu, Daejeon, Republic of Korea (factory) 41-2, Geumo-daero 20-gil, Gumi-si, Gyeongsangbuk-do		

## Business

### Custom-ordered Antenna & RF Modules

- **Classification :** ICT
- **Specifications :**

High Isolation Antennas for ICS (Interference Cancellation System)



Frequency	1920 MHz ~ 2170 MHz
Bandwidth	220 MHz
VSWR	< 2
Gain	< 9 dBi(Typical)
Polarization	Linear
Isolation	>55dB ~ 65dB
Input Connector	SMA(F)
Size (mm)	110X120X100

ETCS (Electronic Toll Collection System) Antenna



Type	4X4 Patch Array (KOR)
Frequency(GHz)	5.795 ~ 5.875
Az. 3dB BW	> 22°
El. 3dB BW	> 22°
Gain	14.0 dBi
Polarization	RHCP
Impedance	50Ω
VSWR	2:1
First Side Lobe Level	< -20dB
Power	< 5Watt
Size (mm)	160X160X0.5

- **Product Price :** Proceeding after consulting on customer requirements.
- **Introduction :**

#### 1) High Isolation Antennas for ICS (Interference Cancellation System)

We provide 80% of the single and multi-band high-isolation ICS repeater antennas to major Japanese telecommunications giants, NTT DoCoMo and SoftBank. Additionally, our antennas are distributed through leading South Korean repeater manufacturers, including Solid, CS, and TJ Innovation, ensuring widespread availability and reliable performance across both markets.

#### 2) ETCS (Electronic Toll Collection System) Antenna

We are proud to supply 100% of the domestic market with our high-quality antennas. Additionally, we have expanded our reach to international markets, including Azerbaijan and Bangladesh, where we are actively developing and providing solutions. Our ongoing efforts are focused on further market expansion, ensuring our products meet the growing demand globally.

- **Business Responsibility :** Jeongho, Ha jh.ha@bluewavetel.com +82 10-9401-7584

## Research

- **Possessed Technology and Certification :**
  - Development and supply of high-isolation antennas for mobile communication repeaters for the Japanese market (domestic repeater development companies: Solid, CS, Convergence, TJ Innovation)
  - High-efficiency array antenna using protruding directional elements
- **Owned equipment and facilities :** CST STUDIO SUITE 2 set, 3D EM Analyzer Software 2 set, Anechoic Chamber

## Company

CEO	Kyoungsik, Moon	Main Product	Smart Gas Detector
Organization scale	6 people	Website	www.nodetalks.co.kr
Address	(head office) 512, Change-up Ground, 87, Cheongam-ro, Nam-gu, Pohang-si, Gyeongsangbuk-do, ROK		

## Business

### Smart Gas Detector

- **Classification :** IoT / Industrial Safety

- **Specifications :**

G-Tag series(G-Tag 300, G-Tag 500)

G-Ball series(S2B-300, S2B-500)

- **Product Price :** \$500~\$3,000

- **Introduction :**

**Smart gas detectors for reducing casualties from suffocation caused by gas poisoning**

**Unique features**

- Easy to use
- Compact and light-weight
- Always on(continuous operation for 2 years)
- IoT based on BLE(bluetooth low energy)
- Real-time information sharing
- Faster response in case of accidents
- Remote monitoring
- Easy wireless networking



- **Business Responsibility :** Kyoungsik, Moon kmoon@nodetalks.co.kr +82 10-6782-0813

## Research

- **Possessed Technology and Certification :**

15 domestic registered patents, 3 PCT applications, 2 U.S. patent applications, 4 domestic patent applications, 4 technology transfers, trademark registrations(4 in Korea, 1 in the U.S.), 2 design registrations

## Company

CEO	Chunghyun, Jung	Main Product	Dermatoscope.Trichoscope. Otopscope. Moisture sensor etc..
Organization scale	3 people	Website	www.kctechnology.co.kr
Address	(head office & lab) No.301, 738, Samseonghyeon-ro, Gyeongsan-si, Gyeongsangbuk-do, Republic of Korea		

## Business

### Dermatoscope. Trichoscope. Otopscope. Moisture sensor etc.

• **Classification :** AI / Mobile

• **Specifications :**

(Width) 22 cm x (Length) 21.8 cm x (Height) 12 cm, (Weight) 1.512 kg

- Professional scalp & Hair polarizing system

- Personal skin/scalp tester

• **Product Price :**

- Professional scalp & Hair polarizing system

₩( 1,290,000~4,000,000 ) USD( 1,000~4,000 )

- Personal skin/scalp tester

₩( 880,000 ) USD( 650~800 )

• **Introduction :**

#### 1) Professional scalp & Hair polarizing system

It's a professional imaging/analysis management system for right dermoscopy trichoscopy. It tests the morphology of hair-root or hair-shaft as well as outer skin/scalp, stratum basal, stratum corneum & sebum in pores, and is the only trichoscope system in the world and has won the Best Innovation Award in Europe.

#### 2) Personal skin/scalp tester

As my "beauty advisor" to help non-professional consumers choose the right care products and home care devices for their skin or scalp, it is a personal skin/scalp tester that shows the past, present, and future of my skin.

• **Business Responsibility :** ☎ Jess(CBO) ✉ mktsales1@kcscopes.com ☎ +82 02-552-3115



## Research

• **Possessed Technology and Certification :**

22 product certifications including 4 patents, 3 designs, and 3 trademark

• **Owned equipment and facilities :** Skin and hair measurement and analysis system, lens for image magnification and polarization measurement device, hair inspection system, trademark, skin inspection device using optical coherence tomography technology, KC (conformity registration certification for broadcasting and communication equipment, etc.), Japan wireless certification, CE, FCC, etc.



Company			
CEO	Byoungyong, Kim	Main Product	Embedded Software & Hardware & Design and build prototypes
Organization scale	4 people	Website	www.bymtech.com
Address	(head office) (34166) 2F, 201, 790, Yuseong-daero Yuseong-gu, Daejeon, Korea (lab) (39253) 1F, 105, 350-27, Gumi-daero Gumi-si ,Gyeongsanbuk-do, Korea		

## Business

### A Photographic Device

- **Classification :** Medical Device Parts
- **Specifications :** 1000 x 1000(mm)
- **Product Price :** 15,000,000 won
- **Introduction :**
  - Adjusting the top and bottom height
  - A left-right turn
  - High resolution camera shooting (13MP)
  - LED Dimming control
  - BLE remote control



Program Action Screen

- **Business Responsibility :** Byoungyong, Kim kby\_car@bymtech.com +82 10-4439-3945

## Research

- **Possessed Technology and Certification :** Five patents, Two trademarks rights, Certification of Inno-biz Company, Certification of venture company, Certification of Corporate Affiliated Research Institute
- **Owned equipment and facilities :** Three power supplies, Three Oscilloscopes, Three Digital Multimeters One Function Generator, One Microscope, One Thermometer, One Temperature Corrector

Company			
CEO	Daeho, Lee	Main Product	Development and service of mobile healthcare solutions
Organization scale	18 people	Website	www.onesoftdigm.com
Address	(head office) 401, ChangeUp Ground, 87 Cheongam-ro, Nam-gu, Pohang, Gyeongsangbuk-do, Korea		

## Business

### Portable Body Composition Analyzer / Fitrus Plus

- **Classification :** AI / Mobile / IoT
- **Specifications :** 12.6 × 3.4 × 1.36 (cm) / 43g
- **Product Price :** 249 USD
- **Introduction :**
  - A high-end device that measures body composition, surface temperature, heart rate, and stress
  - Optimized for home care and suitable for use by the entire family
  - Features an OLED display that shows measurement-related information
  - Temperature measurement without the need to sync with the Fitrus 3.0 app
  - Biometric data is collected on a cloud server and analyzed using AI
  - Provides customized body shape analysis services based on Somatotype
  - Offers calorie calculation and trend information through dietary input features



• **Business Responsibility :** Daeho, Lee dhlee@onesoftdigm.com +82 10-2618-9611

## Research

- **Possessed Technology and Certification :**
  - Holds 54 intellectual property rights, including 35 patents, 7 designs, and 12 trademarks
  - Selected for the Brand K, DIPS Startup 1000+
  - (International Patent) METHOD AND APPARATUS FOR CALCULATING BIOMETRIC INDEX USING BIOMETRIC INFORMATION
  - (International Patent) HEALTHCARE DEVICE AND HEALTHCARE SYSTEM USING SAME
  - (International Patent) DEVICE AND METHOD FOR HEALTH INFORMATION PREDICTION USING BIG DATA
- **Owned equipment and facilities :**
  - Development and validation of an HRV/Blood Pressure algorithm based on PPG signals
  - Development of a multi-biomarker measurement platform

Company			
CEO	Eunhong, Choi	Main Product	Safecar
Organization scale	10 people	Website	<a href="https://safecar.pro/safeWeb">https://safecar.pro/safeWeb</a>
Address	(head office) Room 1202, Building 2 of the Business Incubation Center, 333, Daegudae-gil, Geumho-eup, Yeongcheon-si, Gyeongsangbuk-do, Republic of Korea		

## Business

### Safecar

- **Classification :** AI / IoT
- **Specifications :**
  - World's First OBD Linked Accident Detection Solution
  - OBD and APP are mixed, respectively, and can be used separately(paid ver, free ver)
  - Establish real-time accident data recording, analysis, and discrimination algorithms
  - Data records are stored even in communication insensitive areas, and data continuity is achieved when communication is normalized
- **Product Price :** Safecar / € 50
- **Introduction :**
  - Based on AI deep learning technology and accident detection algorithms, report an accident immediately after detecting it
  - Determine data based on accident type, such as sudden acceleration and collision
  - Accident report is generated in one second after the incident is reported (domestic/foreign customized)
  - Evidence related to insurance fraud and insurance issues can be used
  - 2022. CES, MWC Las Vegas
  - 2023. CES, MWC Las Vegas, IFA
  - 2024. CES, MWC Barcelona, IFA, Automechanika Frankfurt
- **Business Responsibility :** Eunhong, Choi    ceo@myren.kr    +82 10-2830-3657



## Research

- **Possessed Technology and Certification :**
  - Patent Applications: 23, Designs: 2, Trademark: 3, Intellectual Property Rights: 28
  - AI, ISO 9001, ISO 14001, ISO 27001A
- **Owned equipment and facilities :**
  - Minister of Land, Infrastructure and Transport Award
  - Minister of Foreign Affairs Award

Company			
CEO	Seungwon, Paek	Main Product	Secondary Battery, Unmanned aerial vehicle (UAV), Manned aerial vehicle
Organization scale	25 people	Website	<a href="https://vspaceengcom.modoo.at/">https://vspaceengcom.modoo.at/</a>
Address	(head office) 17, Cheomdangieop1-ro, Sandong-eup, Gumi-si, Gyeongsangbuk-do, Republic of Korea		

## Business

### Urban Air Mobility (UAM) / VS-300, VS-200

- **Classification :** eVTOL (Electric Vertical Takeoff and Landing)



VS-300

PAYLOAD	270KG / 600LBS
DIMENSIONS	14 * 7 (m), 46 * 23 (ft)
RANGE	120km
SPEED	240 km/h (149 MPH)
MAX TOTAL POWER OUTPUT	480KW
CHARGING TIME	14min(Depends on charger)
PRICE	\$0.8M



VS-200

PAYLOAD	230KG / 507LBS
DIMENSIONS	3.7 * 3.7 (m), 12.1 * 12.1 (ft)
FLIGHT TIME	25-30MIN
RANGE	30km
SPEED	80Km/h (50MPH)
MAX TOTAL POWER OUTPUT	120KW
CHARGING TIME	1-3hour(Depends on charger)
PRICE	\$0.16M

- **Introduction :**

#### 1) The VS-300 has become the first in South Korea to apply for TC (Type Certification)

It is also an integrated design of eVTOL and eCTOL, offering a long range. The wing shape and fuselage use a fully validated structural system. The battery energy density is 300 Wh/kg, meaning the battery weight is only 200kg of the total weight. With its weight is light, the aircraft can carry a larger payload.

#### 2) The VS-200 is targeting for service; this small, two-seater aircraft can take off and land

in a space similar to a heliport on the roof of a building, allowing precise transportation to the destination within the city. In addition, the motor and propeller are designed on the top to ensure passenger safety when boarding and disembarking, and vertical takeoff and landing are possible, so there is no need for a runway. Due to the small size of the aircraft, compared to competitors, it is possible to take off and land with a smaller vertiport space, making it optimized for driving within the city. The application of carbon composite materials to the fuselage and propeller makes it lighter and has a higher payload than overseas competitors. Also powered by a 120kW electric battery, the aircraft offers a 30-minute flight time and quick turnaround times between flights with its easily replaceable, developed self-made batteries.

- **Business Responsibility :**

👤 Hyerim, Kim    📧 [global@vspacecompany.com](mailto:global@vspacecompany.com) / [hdm0819@vspacecompany.com](mailto:hdm0819@vspacecompany.com)    📞 +82 10-2894-3656

## Research

- **Possessed Technology and Certification :**

- Patent Applications: 11, Registered Patents: 2, Designs: 5,  
Trademarks: 1, Intellectual Property Rights: 25

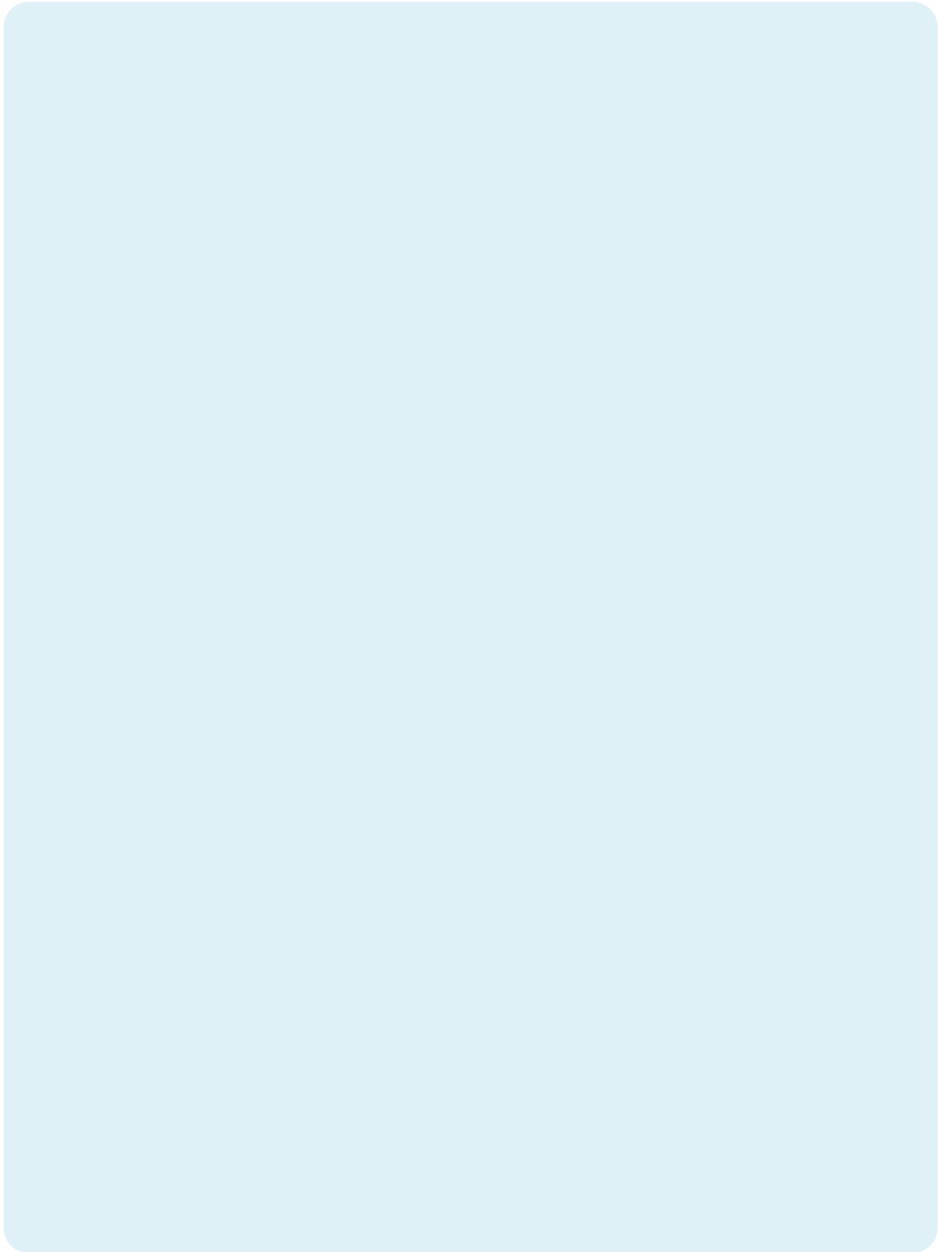
- **Owned equipment and facilities :**

- Number of Development and Validation Equipment: 3,  
Research Institute: 1, Factories: 2

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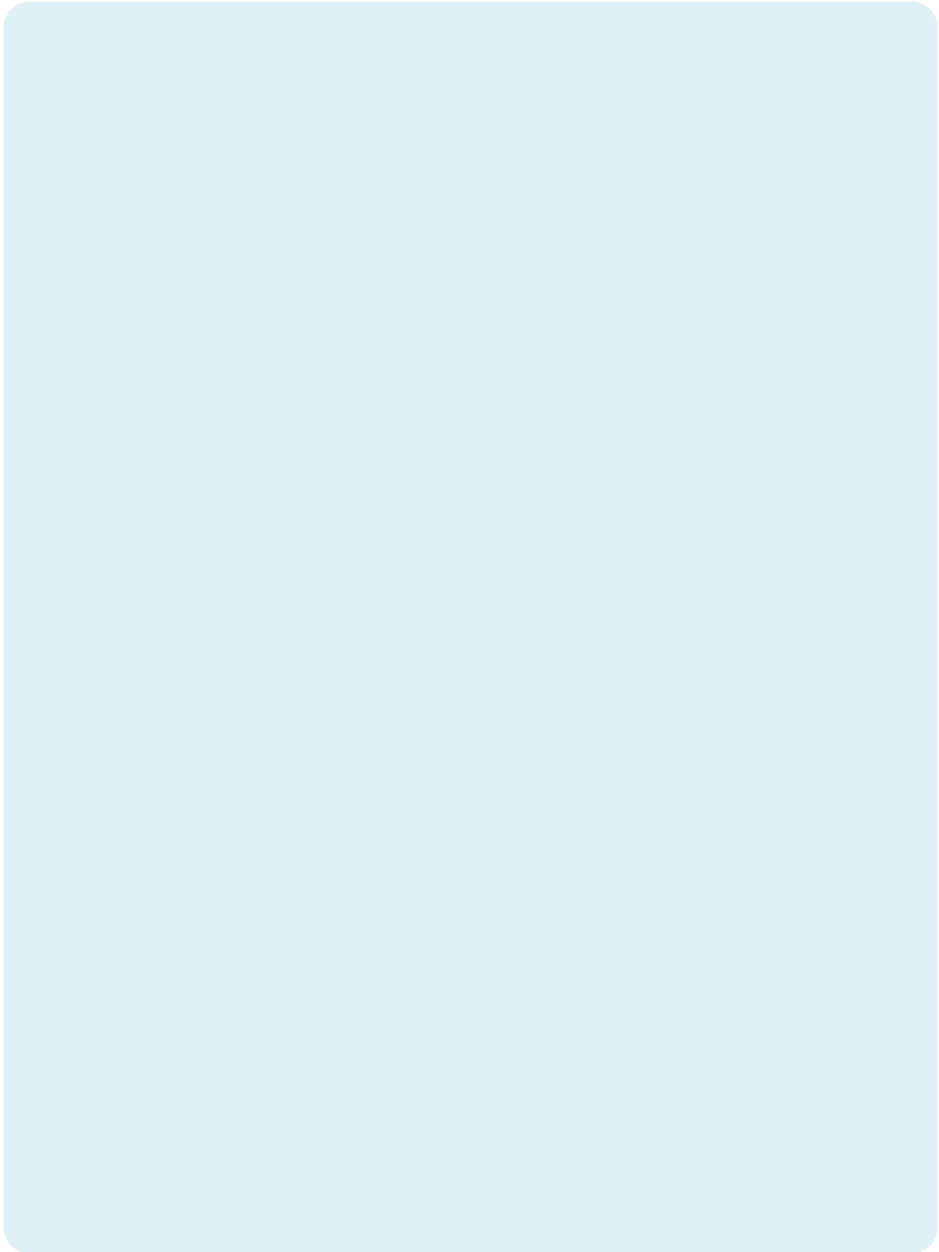
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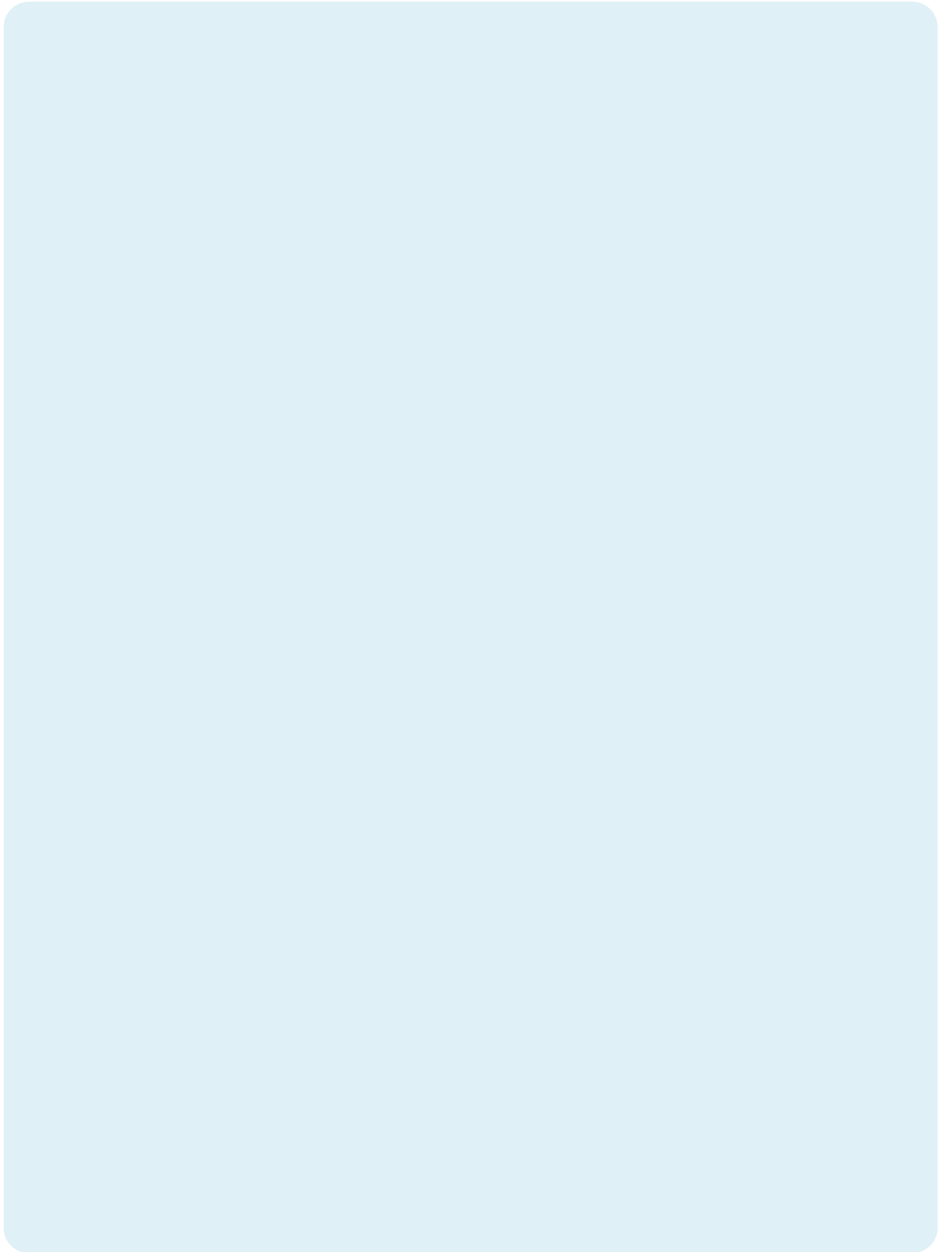
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