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# TECHSAN-ENG

## Profile

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A-402 U-Tower 767 Sinsu-ro, Suji-gu,  
Yongin-si , Gyeonggi-do, Korea

[www.techsan-eng.com](http://www.techsan-eng.com)



# Baker Hughes

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**Waygate technologies & Druck**  
**Korea Channel Partner**

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# 1. Outline

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- Name : TECHSAN ENG Co., Ltd.
- Capital : KRW 400,000,000
- CEO : Seok-Hyeon, JANG
- Office : A-402 U-Tower 768 Sinsu-ro, Suji-gu, Yongin-si, Gyeonggi-do, KOREA
- Employees : 7 people
- Business type : R&D, Trade, Wholesale, Technical-Engineering
- Main Item : Inspection Equipment & Software
- Main Market : Toward NDT Market
- Homepage : <https://www.techsan-eng.com>

# 1-1. History

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- 2020**
  - Baker Hughes a GE company to Baker Hughes M&A
  - GE RVI to Waygate Technologies,  
GE Druck to Druck Brand name change
  - TECHSAN ENG Co.,Ltd. Homepage renewal
- 2019**
  - Vietnam Ho Chi Minh Corporation OPEN
- 2018**
  - GE Druck Pitot-Static Tester & M&S Official agency contract
  - Baker Hughes, GE Oil&Gas M&A. Baker Hughes a GE company establish
- 2017**
  - GE Druck Pitot-Static Tester ADTS (UK) Republic of KOREA ARMY  
Supply Contract
- 2016**
  - TECHSAN-ENG Yongin-si Dongcheon-dong Head Office relocation  
(A-402 U-Tower 767 Sinsu-ro, Suji-gu, Yongin-si , Gyeonggi-do)
- 2015**
  - March TECHSAN ENG Co., Ltd. Establishment
  - May GE-RVI (US) Republic of KOREA Distributor Contract
  - TECHSAN-ENG Homepage open ([www.techsan-eng.com](http://www.techsan-eng.com))
  - TECHSAN-ENG Pangyo-dong Head office Open  
( Unjung-dong, Bundang-gu, Seongnam-si, Gyeonggi-do)

# 1-2. Introduction

## TECHSAN-ENG

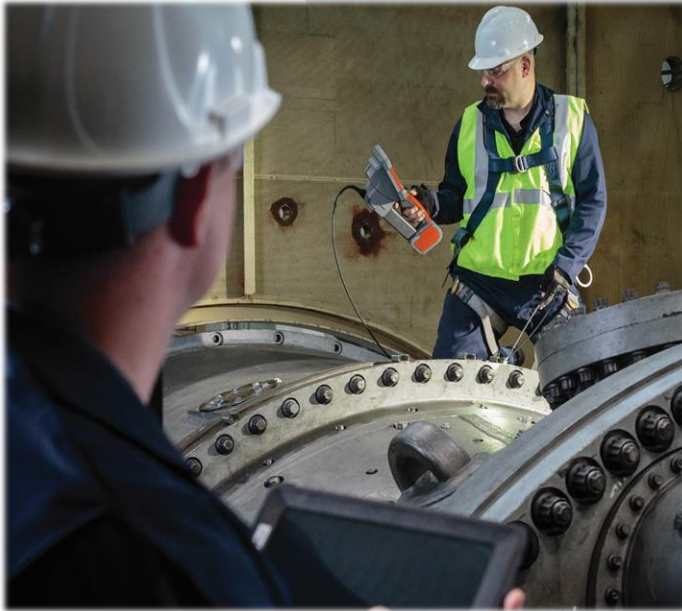
TECHSAN-ENG is Korea channel partner of Baker Hughes Remote Visual Inspection and M&S.

TECHSAN-ENG is responsible for industrial development in the military, power generation, Oil&Gas, heavy industry, aviation, fire fighting, automotive market, also conducting research on applied technologies in measurement fields such as non-destructive testing through industrial endoscope and pitot-static test.



## TECHSAN-ENG

We promise that we will continue to do our best to create value and satisfy our customers, and we ask for your continued support.



## TECHSAN-ENG

We executives and employees are committed to providing the best products and services without being swayed by the rapidly changing market environment, and will provide new products and applied technologies through overseas training of various products technologies and participation in exhibition.

# 1-3. Korea

## Channel partner Appointment Letter

### GE Oil & Gas Channel Partner Appointment Letter



TECHSAN ENG CO, LTD  
(SEOCHO-DONG), 11,  
BANPO-DAERO 18-GIL,  
SEOUL, 137-875  
KOREA, REPUBLIC OF

August 26, 2015

RE: Appointment Letter

TO WHOM IT MAY CONCERN:

We hereby confirm that **TECHSAN ENG CO, LTD**, having its registered address at (SEOCHO-DONG), 11, BANPO-DAERO 18-GIL, SEOUL 137-875, REPUBLIC OF KOREA, has been appointed as **GENERAL ELECTRIC INTERNATIONAL INC.** authorized Distributor for the distribution of the following products

• **Inspection Technologies™ (RVI™)** - in South Korea.

The Distributor agreement is valid through April 30, 2016.

Sincerely,

Veronica CHONG  
GE Measurement & Control  
Asia Channel Director



17021 Aldine Westfield Rd.  
Houston, TX 77055  
USA

May 6, 2020

RE: Authorized Non-Exclusive Distributor (DN); Confirmation Letter

TO WHOM IT MAY CONCERN:

This letter confirms that **Techsan Eng Co, Ltd** is a non-exclusive "Distributor (DN)," authorized for the following **Waygate Technologies** products and/or services: **RVI** sold within the Territory of **Republic of Korea**; **Measurement and Sensing** products and/or service: **Druck (Pressure)** sold within the Territory of **Republic of Korea** and **Vietnam** and in accordance to the terms and conditions of the agreement effective May 1, 2020, between **Techsan Eng Co, Ltd** and **Baker Hughes Energy Services LLC** expiring on April 30, 2021.

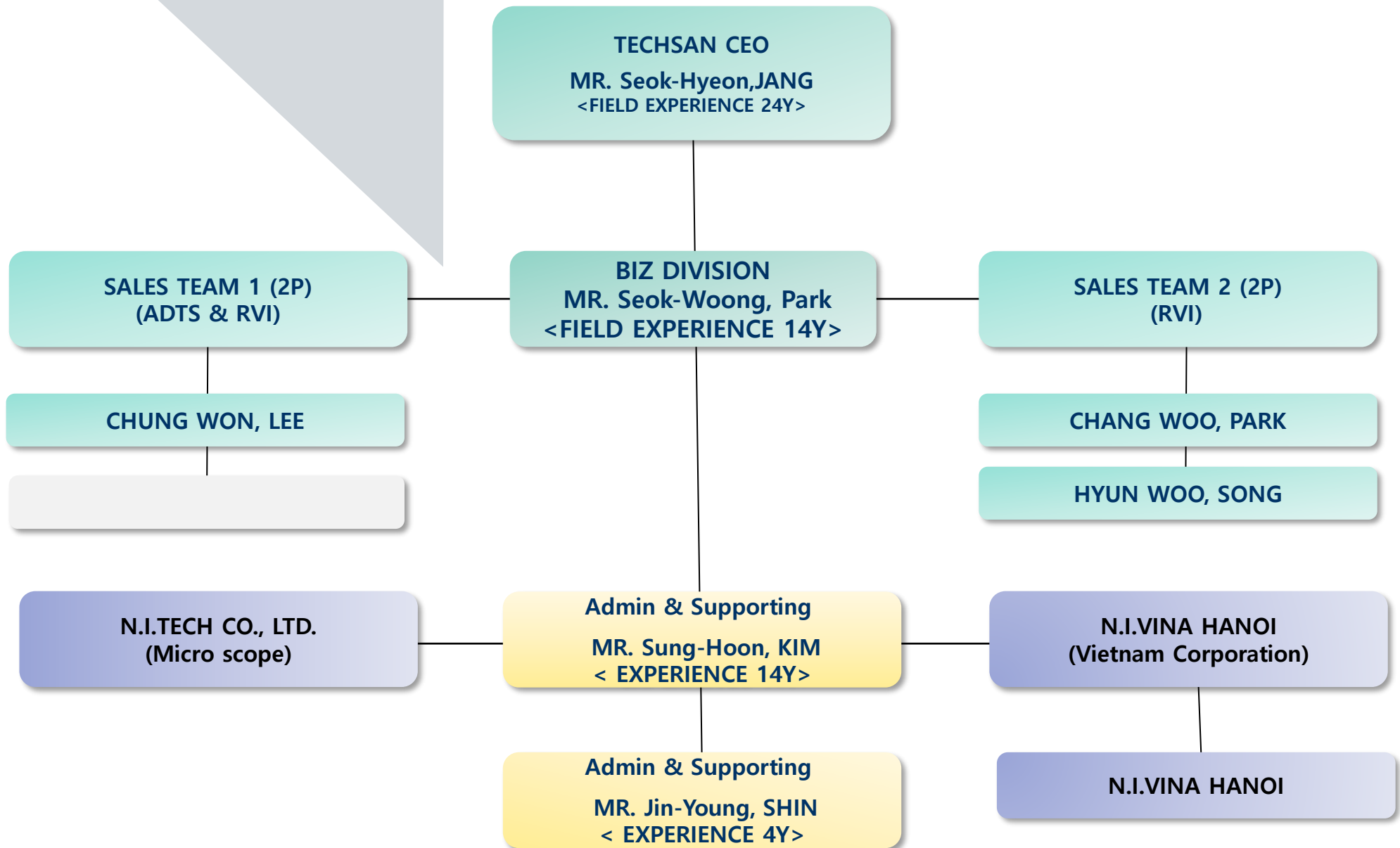
BUSINESS SEGMENT	PRODUCT LINE	PRODUCTS AND/OR SERVICES	BUYERS	INDUSTRY	TERRITORY
Waygate Technologies	RVI	All	All	All, including Nuclear and Military	Republic of Korea
Measurement and Sensing	Druck (Pressure)	• Air Data Test System • ADTSXX Series and accessories • ADTS4XX Series and accessories	All	All, except Nuclear	Republic of Korea
		All	All	All, except Nuclear and Military	Vietnam

Sincerely,

  
Logan Miller, Contract Specialist

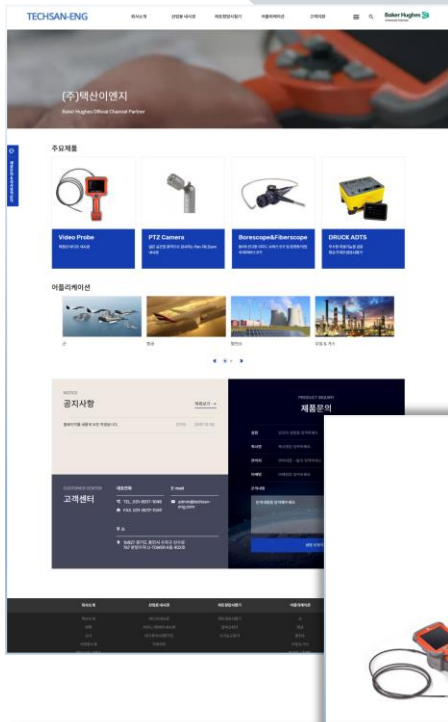
### Baker Hughes Channel Partner Appointment Letter

## 2. Organization



# 3. Marketing

## ➤ Homepage (www.techsan-eng.com)



## ➤ Participating Exhibition

	Main Participating Exhibitions
Power Generation	Electric Power Tech Korea
	POWER GENERATION KOREA
Military & Aviation	ADEX
	MADEX
	DX KOREA
Oil & Gas	TECH PETRO ASIA
Automotive	Automotive Technology EXPO
	Automotive Weight Reduction Technology Fair
	Automotive Manufacturing Expo
	KSAE



# 4. Primary Market



## Military

Army : Gunsin,  
Combustion engines  
Air Force : Military helicopters  
Jet engine, Aircraft  
altimeter, Speedometer,  
Platform accuracy check  
and calibration,  
Water leak test



## Power Generation

Boiler, turbine, Heat exchanger,  
Piping interior, Wind generator  
motor and gearbox



## Aviation

Turbine blade, Replacement fuel,  
Combustion chamber & tank  
Gearbox, Aircraft altimeter,  
Speedometer, Elevator accuracy  
check and calibration, Water  
leak check



## Oil&Gas

Oil pipeline, Oil storage tank,  
Refinery inside, Boiler,  
Heat exchanger, High pressure  
vessel, Motor turbine



## Heavy Industry

Ship boilers, Turbines, Engines,  
Heavy machinery Industry,  
Railways, Roads, Transportation,  
Shipping equipment

## 5. Item

### Industrial Endoscope(1)

- **BH Industrial Endoscope**
- **Application : Military, Power Gen, Heavy industry, Oil&Gas, Automotive, Aviation ect.**
- **Purpose : Inspection equipment to prevent accidents in advance by examining the inside of equipment and equipment that cannot be visually inspected through our industrial endoscope to find hazards such as cracks, corrosion and dust.**
- **Main Items : Mentor Visual iQ, Everest Mentor Flex, XL Detect&Detect+, Mobile Robotics**



# 5-1. Item

## Waygate Technologies Industrial Endoscope(2)

### VideoScope



Mentor Visual iQ



Everest Mentor Flex



XL Detect & Detect+

### BoreScope



RigidScope



FiberScope

### Mobile Robotics



FAST RVI HD



BIKE



PTZ HD30

# 5-1. Item

## Mentor Visual iQ (3)

### Portable

- 3kg
- Aircraft compliant
- Lithium-ion battery
- Battery or AC capable

### Durable Design

- IP65
- MIL-STD 810, 461
- High temperature resistance
- Stands up to severe environments

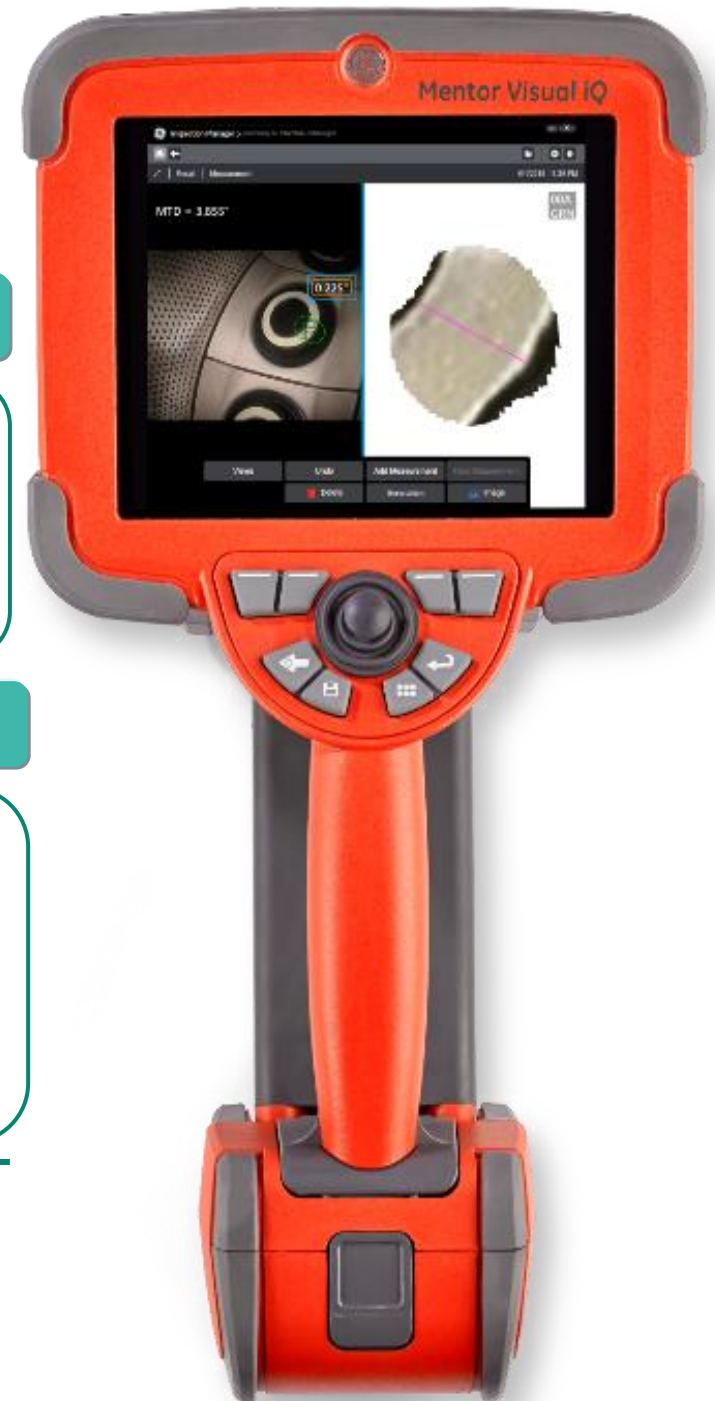
### HDR Touchscreen

- Faster, easier navigation
- Pinch to zoom
- Efficient text and arrow annotation
- Clear, bright resolution

### Remote streaming

- Real-time streaming through iView Remote
- Available to use additional measurement through Inspection Manager
- Available to inspect through Inspection Works all over the world

- + Highest CCD Camera resolution 120 Mega pixel
- + Incomparable 3DPM Measurement
- + 8 kinds of measurement functions for various Application



# 5-1. Item

## Everest Mentor Flex (4)

### Touch Screen

- 5.8 " Touch Screen
- WXGA Advanced Wide View (AWV) LCD
- HDMI

### Resolution

- Color SUPER HAD™ CCD Camera
- 440K Pixel Resolution

### Remote Streaming

- Real-time streaming through iView Remote

### Durable Design

- IP65
- MIL-STD 810H
- MIL-STD 461G

### Measurement

- Compare Measurement
- Stereo Measurement

### Portable

- 2.5kg
- 3hr Lithium-ion battery
- Wheeled carry-on case



## 5-1. Item

### XL Detect & Detect+ (5)



#### XL Detect

- 3.7" Display
- MDI v1.1
- 1GB Internal memory
- Standard non-wheeled case
- Equipped to handle a wide variety of RVI needs

#### XL Detect +

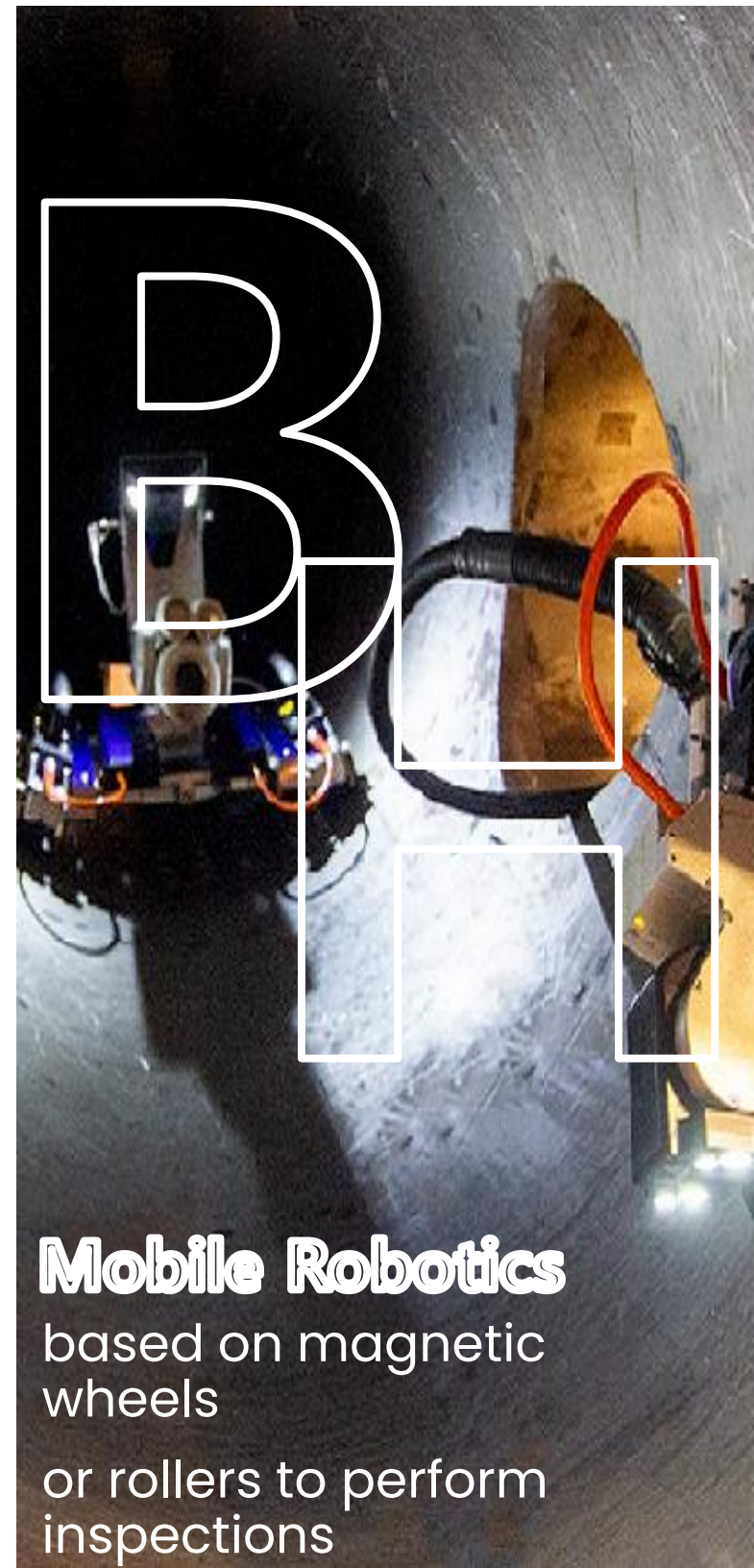
- 5.0" Display
- 4GB Internal memory
- IP65
- MDI v1.1
- Standard non-wheeled case
- Equipped to handle a wide variety of RVI needs



# 5-1. item

## Mobile Robotics (6)

- BH advanced inspection robot for remote
- Application Market : vessel or pipe inspection., power plant facilities, oil and gas industry
- Purpose : By approaching a location inaccessible to humans, such as size restrictions, temperature, and liquid immersion, inspect the inside of equipment and facilities to find risk factors such as cracks and corrosion to prevent accidents in advance and inspect safely without human entry into an enclosed space equipment to do
- Main items : BIKE, FAST RVI, PTZ HD30, ICS 2



**Mobile Robotics**

based on magnetic wheels

or rollers to perform inspections

## 5-1. item

### FAST RVI HD (7)

## FAST RVI HD

The FAST RVI allows to inspect areas that cannot be accessed by a human. Also Eliminates human entry in confined spaces and perform the inspection from a safe and remote location.

The platform can be easily adapted to most PTZ cameras on the market.

### Features and Benefits

- Enclosed space inspection possible through 3D LOC
- equipped with strong magnetic wheels it can easily climb metallic structures and perform remote inspections



# 5-1. item

## BIKE (8)

### BIKE

The bike is used for the inspection of gas turbines or hydro power stations by carrying videoscope probes.

By installing the Ultrasonic probe module the platform turns into a proper thickness measurement gauge which can even perform line scans.

#### Features and Benefits

- The BIKE is a lightweight (10kg) ultra-mobile robotic platform.
- Capable of passing convex and concave corners of up to 90 degrees (steps, obstacles, flanges, ...).
- Payload of 10kg, can be equipped with NDT sensors and/or Pan-Tilt inspection camera



## 5-1. item

### PTZ HD30 (9)

## PTZ HD30

The PTZ HD30 is a powerful, industrial grade camera designed for remote visual inspections and the camera is equipped with a 30x optical zoom, which provides sharp, clear images even at long distances.

The image quality is full HD, and comes with noise reduction and de-fog feature.

The LED illumination is superior to any other inspection camera on the market.

### Features and Benefits

- The 30x optical zoom allows for detailed close-up inspection even at long distances.
- The integration onto a robotic crawler – FAST RVI – can be done within minutes and the camera system is ready for 3D LOC.



# 5-1. Item

## Waygate Technologies Industrial Endoscope Catalog(11)

Past



2020 NEW



## 5-2. Item

### Pitot-Static Tester(1)

- Druck ADTS
- Application Market : Military, Aviation Market
- Purpose : used to both leak test an aircraft's pitot-static system as well as to test and verify an aircraft's instruments by simulating the altitude and speed of aircraft while still on the flight line
- Main items : ADTS405F, ADTS500 Series



## 5-2. Item

### Druck ADTS500 Series(2)

## ADTS500 Series

Portable two-four channel flightline air data test set with large pitot static volume capability for use on a wide range of aircraft from light aircraft to wide body passenger and freight aircraft.

Provides pitot static air data validation, leak testing, fault finding and avionics instrumentation testing.

### Features and Benefits

- Large pressure and vacuum pumps high ROC into a aircraft volume
- 650 kts airspeed and 60,000 ft altitude range, ideal for all civilian aircraft
- Vibration, shock/drop and solar radiation to MIL-PRF-28800F Class 2



## 5-2. Item

Druck ADTS405 MK2(3)

### ADTS405 MK2

ADTS405 MK2 brings reliability and high accuracy into our highest performance air data test system. The rugged, compact design has evolved as a result of our continuous research and development, customer feedback and experience gained from manufacturing thousands of automatic pressure controllers.

#### Features and Benefits

- High accuracy TERPS sensor
- Flightline and Rack mount version
- 1,000 kts airspeed 100,000 ft altitude range, ideal for all aircraft
- Protection for aircraft instruments
- Fully CE and ROHS II compliant



## 6. Main Customer



## 7. Overseas Branch Vietnam Corporation

### N.I.VINA Co., Ltd. - Vietnam

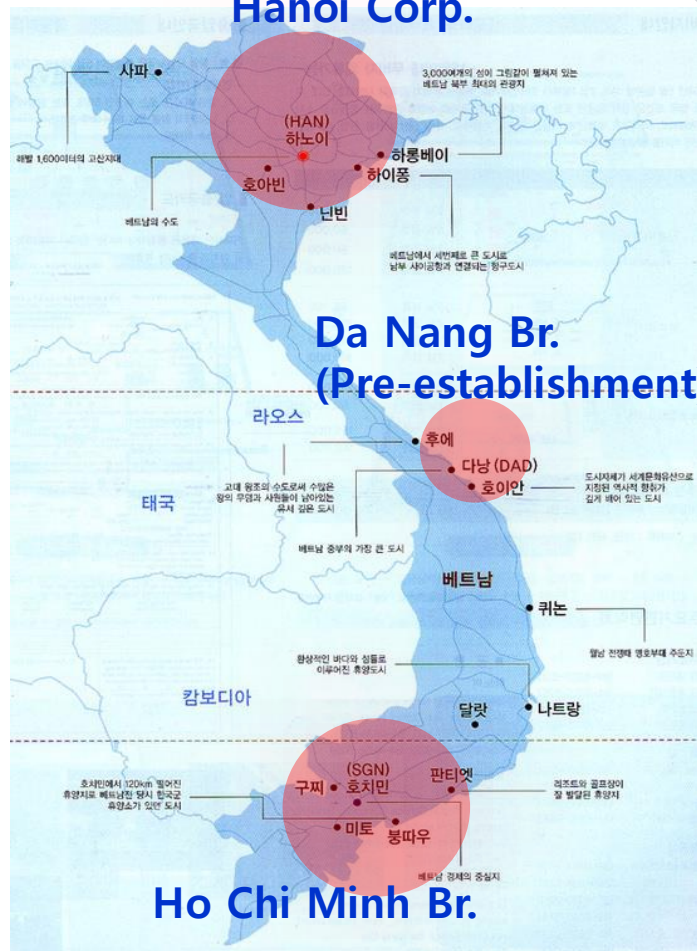
- Company Name : N.I.VINA Co., Ltd. <New Instruments Vietnam>
- Establishment : September, 2014
- Capital : USD 300,000
- C.E.O : Seok-Hyeon, Jang
- Office : No 4-BT 3, Trung Van Urban, Trung Van Ward, Nam Tu Liem Dist, Ha Noi
- Employees : 13 P
- Business Type

1. GE Measurements & Sensing(USA)
  - Authorized Vietnam Channel Partner (PRESSURE)
2. GE Inspection Technology (USA)
3. NIKON Instruments (Japan)
  - Authorized Vietnam Distributor
4. Inspection & Measuring Instruments

#### Hanoi Corp.

#### Da Nang Br. (Pre-establishment)

#### Ho Chi Minh Br.



# TECHSAN

[www.techsan-eng.com](http://www.techsan-eng.com)

Thank you.

## TECHSAN ENG Co.,Ltd.

Contract : 031-8017-1048

Address : A-402 U-Tower 768 Sinsu-ro, Suji-gu,  
Yongin-si, Gyeonggi-do, KOREA (Code:16827)

Homepage : [www.techsan-eng.com](http://www.techsan-eng.com)

## Baker Hughes

Korea Channel Partner

