INNOVATOR & EXPERT IN FABER OPTIC INFRA SOLUTION
COMPANY OVERVIEW

HM SOLUTION CO., LTD. is a technology-oriented leading company faithful to the basics that develops and supplies overall optical communication solutions including passive and active optical devices required for network infrastructure based on hardware and software development capabilities.

- Faithfulness
- Technology Focus
- User Satisfaction

<table>
<thead>
<tr>
<th>Company</th>
<th>HM SOLUTION CO., LTD.</th>
<th>CEO</th>
<th>OH, SUKHO</th>
<th>Capital</th>
<th>50K USD</th>
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<tbody>
<tr>
<td>Business Type</td>
<td>Development and Wholesale for Optical Precision and Scientific Instruments</td>
<td></td>
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<tr>
<td>Business Item</td>
<td>Development of Application Software, Hardware and Automation Measurement Solution Measuring Instrument Supply</td>
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<tr>
<td>Address</td>
<td>#F331, HausD SmartValley, 16, Misagangbyeonseoro, Hanam-si, Gyeonggi-do, 12918 South Korea</td>
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<td></td>
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<tr>
<td>Contact</td>
<td>Tel. +82 (0)31 5175 7033</td>
<td>Mail. <a href="mailto:info@hmsolu.com">info@hmsolu.com</a></td>
<td>Web. <a href="http://www.hmsolu.com">http://www.hmsolu.com</a></td>
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<tr>
<td>Business Start</td>
<td>2014 HM SOLUTION Business Started</td>
<td>2020. 2. 6. HM SOLUTION CO., LTD. Founded</td>
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LICENSES & CERTIFICATES

Business Registration: 359-88-01516
SW Business Registration: B20-203254
SMB Company Cert. No. Q347020
ISO 9001 Cert. No. 0010-2020-266187
ISO 14001 Cert. No. E259920
Profit Sharing Company Cert.
Venture Company Cert. No. 20200110777
R&D Center Cert. No. 2020154685
Patent Cert. No. 10-2139973
Patent Cert. No. 10-2159685
Patent Cert. No. 10-2159685
HISTORY & MILESTONES

2014 ~ 2019

HM SOLUTION Business Started * R&D System of Development
- Pipeline system real-time data change software
- Development of passive measurement system
- Development of optical cable automatic measurement solution
- Ribbon Fiber Optical Switch Development
- Development of Precise Fiber Microscope
- Development of Laser Diode Auto Measuring Software
- Development of Bare Fiber Aligner and Emergent Recovery Aligner

2020

Feb.
HM SOLUTION CO., LTD Founded

Mar.
Supply “Back Reflection” to GOC

May
Sign with SK Broadband for the Business Partner

Jun.
Supply “Inline Certifier Enhanced to SK Broadband
Supply “Emergent Recovery Aligner to Hanwha System

Jul.
Certificate R&D Center from KOPIA
Certificate ISO 9001/14001 from ICR
Applicate “HM SOLUTION” Trademark
Certificate “Profit Sharing Company from Korea Gov.
Patent, 10-2139973

8월
Certificate “Venture Company” from KIBO

9월
Patent, 10-2159685

12월
Selected Company as a Government Research Project Performing
It is operated under the system of product development, sales, and partner management with the CEO as the center. In particular, the R&D department in charge of product design, hardware and software development according to the analysis of customer requirements at the point of contact with customers, and the business department that support customer and partner companies and product planning required by the market.
PRODUCT & SOLUTION

NIMP (NETWORK INFRA MANAGEMENT PLATFORM)

INFRASTRUCTURE OPTIMIZATION SOLUTION THROUGH INITIAL CONSTRUCTION QUALITY SCAN AND QUALITY MANAGEMENT WHEN BUILDING OPTICAL INFRASTRUCTURE

NIMP (NETWORK INFRA MANAGEMENT PLATFORM)
- OPEN MOBILE APPLICATION-BASED PLATFORM
- REMOTE CONTROL AND MEASUREMENT OF DEVICES USED WHEN CONSTRUCTING OR OPERATING OPTICAL INFRASTRUCTURE WITH MOBILE DEVICES, AND AUTOMATICALLY TRANSMITTING THE RESULTS TO A CENTRAL SERVER USING A MOBILE NETWORK (3G/4G OR WIFI)
- THE TRANSMITTED DATA IS INDEXED AND STATISTICALIZED IN INFRASTRUCTURE QUALITY BUILT INTO A DB IN REAL TIME THROUGH EACH QUALITY ANALYSIS MODULE.

• NIMP Mobile
• NIMP Server
• Web Mgmt
• User APP (Web Based)
PRODUCT & SOLUTION

EOBC (EMERGENCY OPTICAL BRIDGER CABLE)

EMERGENCY OPTICAL FIBER EMERGENCY RECOVERY SOLUTION WITHOUT SKILLED TECHNOLOGY

- RAPID RECOVERY ON THE EMERGENCY STATE
- STABLE CONNECTION SUPPORT EVEN WHEN OPTICAL CORE IS CUT RANDOMLY (NO CLEAVER REQUIRED)
- EASY TO USE FOR BEGINNER
- SUPPORT UP TO 24 CORE FIBER
- SUPPORT UP TO 100 TIMES REUSE ALIGN BRIDGER

[Sample Diagram]

[24 Core Emergency Recovery Kit] [1 Core Emergency Recovery Kit]

[Reference]
PRODUCT & SOLUTION

ILC-E (INLINE CERTIFIER-ENHANCED)

ACTIVE/INACTIVE DETECTION SOLUTION FOR FTTH SUBSCRIBER LINES

- SUPPORT G-PON, E-PON, XGS-PON
- DETECTABLE EVEN WHEN SUBSCRIBER MODEM IS TURNED OFF (M version only)
- BIDIRECTIONAL OPTICAL OUTPUT MEASUREMENT (B version)
- PRECISE DETECTION
- RAPID MEASUREMENTS (IN 3 SECONDS)

[Sample Diagram]

[ILC-E M]  [ILC-E B]

[Reference]  [M version]  [B version]
PRODUCT & SOLUTION

PFM (PRECISE FIBER MICROSCOPE) SERIES

PASSIVE/ACTIVE OPTICAL DEVICE MODULE CROSS-SECTIONAL INSPECTION SOLUTION

PFM (PRECISE FIBER MICROSCOPE)
- PROVIDE DIGITAL AND ANALOG VERSION
- SUPPORT SINGLE AND DUAL VIEW
- EASY OPERATION (OPTICAL FOCUSING)
- SELF MEASUREMENT THRU. AUTO FOCUSING
- PASS / FAIL AND CAPTURE IMAGE OF RESULT

[STD Analog Ver.]  [Manual Stage Digital Ver.]  [Auto Stage Digital Ver.]

Optional Scanning on Action
Multiple-Core Inspection
Reverse View