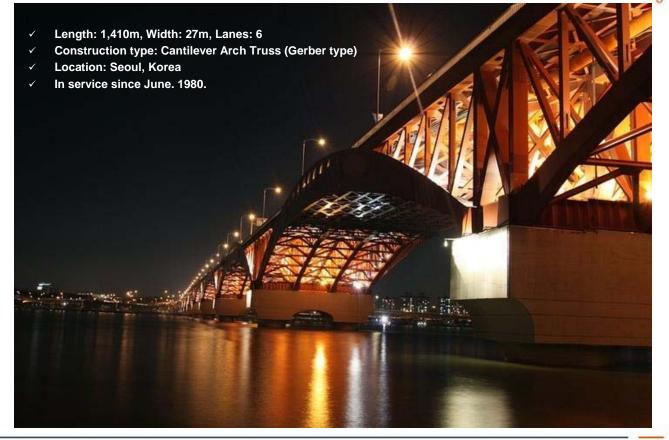


# SungSan Bridge- General Characteristics





Aim	To monitor the damage & fatigue stress at the gerber sections
Location	Seoul, Korea
System integrator	GMG (Geotechnical Monitoring Group) http://www.gmgnow.com
System supply & technical support	KAISEN (Korea Advanced & Innovative Sensing Technology), Inc. http://www.kaisen.co.kr
Customer	Seoul City
Date	2009
Instrumentation	(1) Micron Optics sm130
Sensors	(36) Micron Optics os3100 Spot-Weld Strain Gage (13) Micron Optics os4100 Temperature Comp. Sensors
Project Scope	<ul> <li>Long-term monitoring of strain at 14 different locations.</li> <li>On-site and remote data retrieval.</li> </ul>





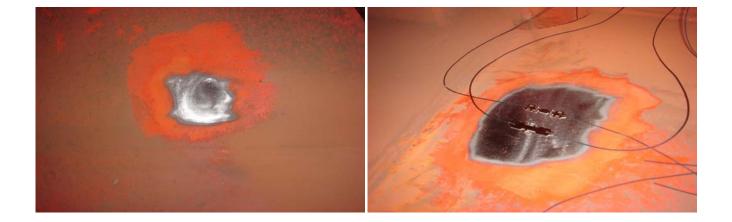
# 

# <complex-block>



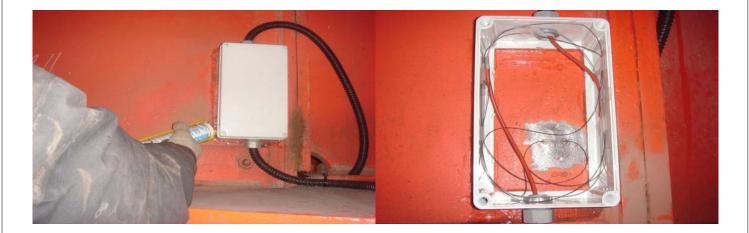


MICRON OPTICS



Sensor installation : spot welding

# SungSan Bridge – Installation

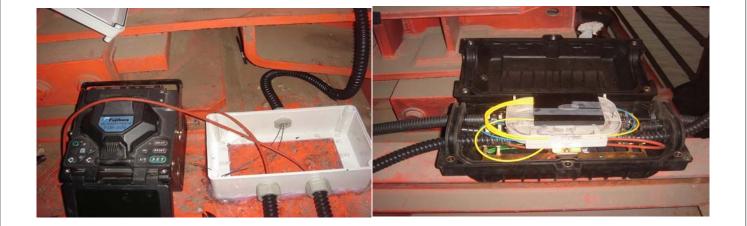


Productive box installation

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# SungSan Bridge – Installation



### Splicing

### SungSan Bridge – Results and Acknowledgements

Results

- Customer is currently monitoring the bridge. More information will become available in the future.
- The installation process was simplified and future upgrades will be easy, due to the simple, bus-type signal cable architecture of the monitoring system and it's clear wavelength allocation.
- Acknowledgements
  - End customer : Seoul City.
  - System Integrator : GMG (Geotechnical Monitoring Group)
  - System supplier & technical support : KAISEN, Inc.
     (Name : Kyuwan Lee, e-mail : ceo@kaisen.co.kr, www.kaisen.co.kr)
  - Micron Optics, Inc, USA (Tel: 404-325-0005, www.micronoptics.com)

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