

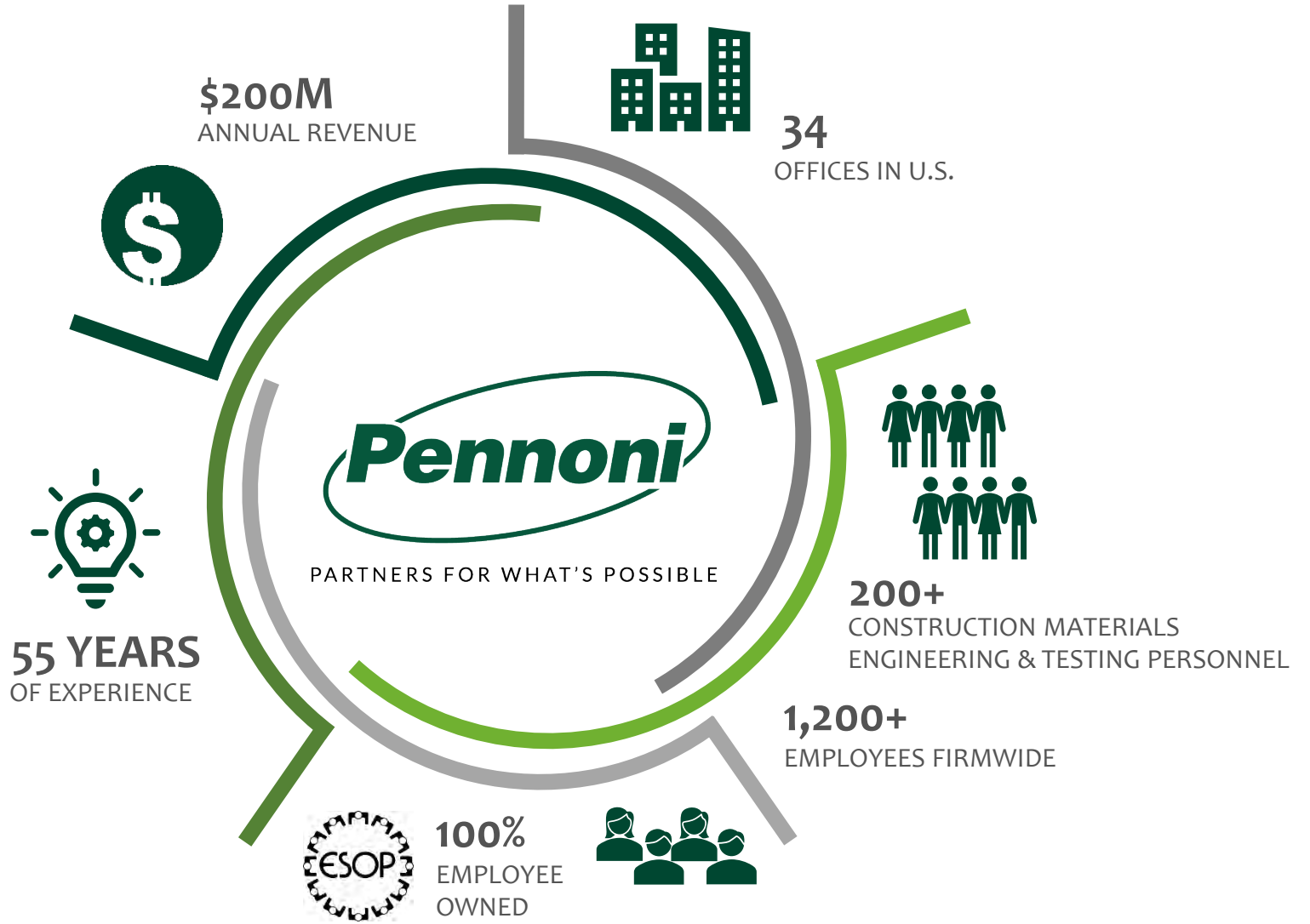


# FABRICATION INSPECTION AND MATERIAL TESTING

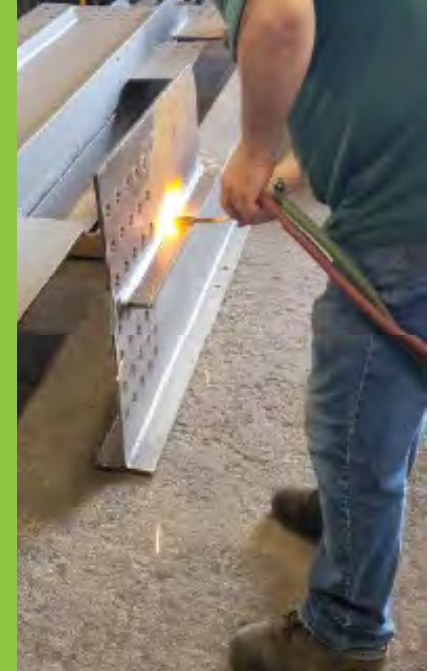
October 26, 2021



# PENNONI OVERVIEW







## Steel Fabrication & Coating Inspection





**Precast/Prestressed  
Concrete Inspection**











- ❑ **Welding Engineering**
- ❑ **Non-Destructive Testing**
- ❑ **Failure analysis**
- ❑ **Pin & Hanger Testing**
- ❑ **Anchor Bolt Testing**
- ❑ **Sign Structures**
- ❑ **Geophysical**
- ❑ **Mix Designs**
- ❑ **Coring**



**AASHTO**  
ACCREDITATION  
PROGRAM

**Materials Consulting**





- ❑ High Performance Concrete
- ❑ Ultra High Performance Concrete
- ❑ Aggregate Testing
- ❑ Bond Pull Off Testing
- ❑ Hardened Air Void Analysis
- ❑ Maturity Testing
- ❑ Hot Mixed Asphalt Testing

## Material Testing





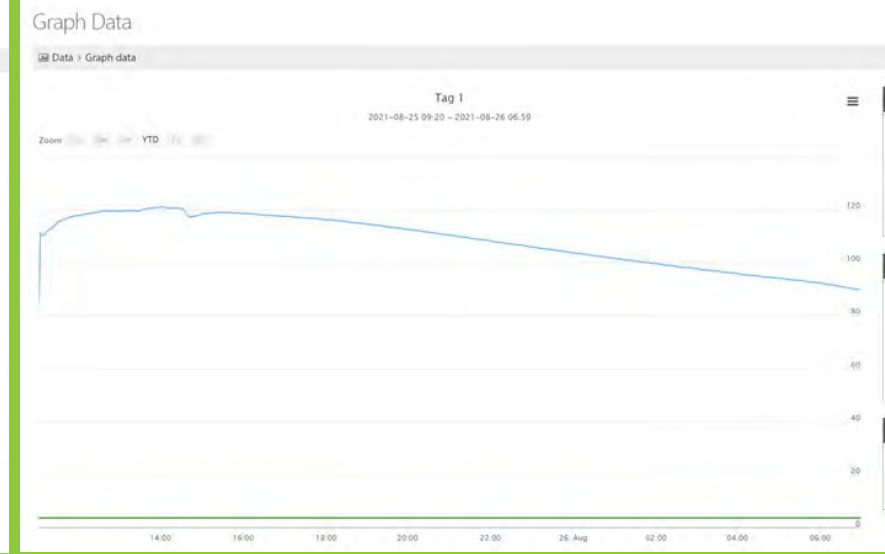
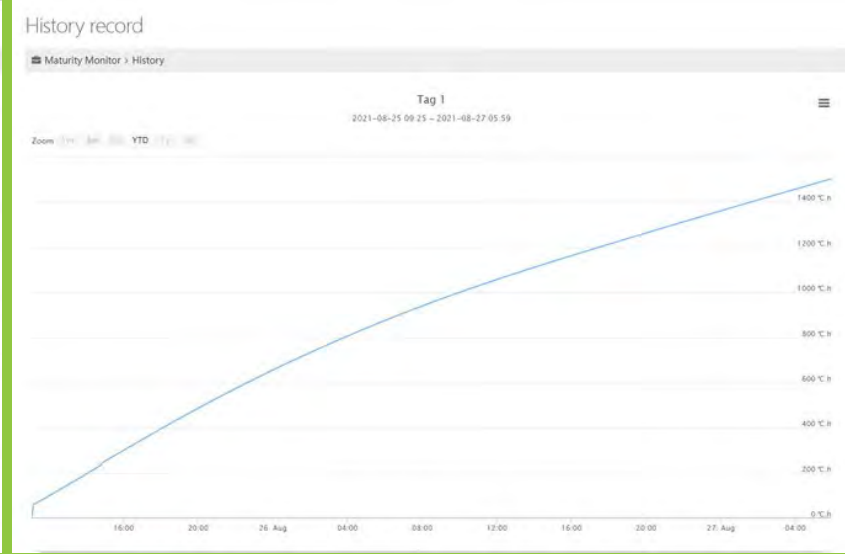
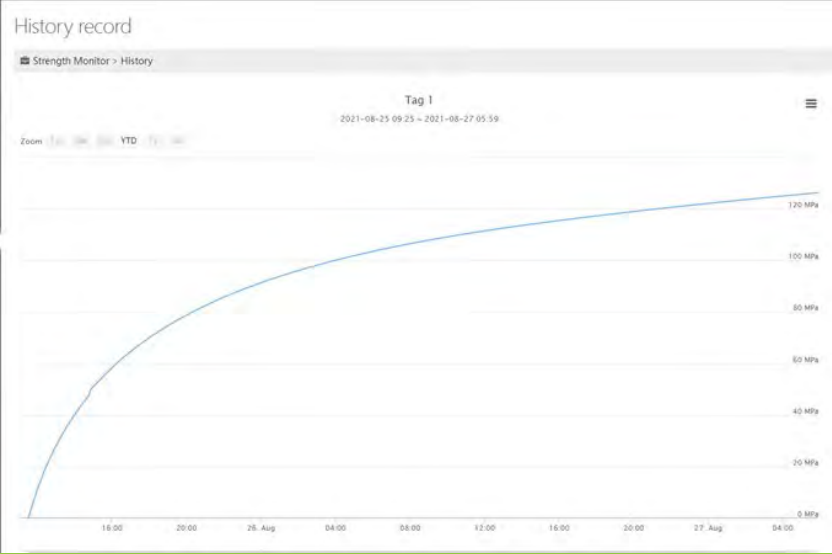
**Alkali-Silica Reactivity  
(ASR) Testing**



**ASTM C1293 Testing**







### Strength Monitoring Platform

#### Realttime monitoring

Strength Monitor > Realtime

<p>Tag 1</p> <p><b>126.3 MPa</b></p> <p>2021-08-27 05:59</p> <p>VIEW HISTORY</p>	<p>Tag 2</p> <p><b>66.1 MPa</b></p> <p>2021-08-26 07:43</p> <p>VIEW HISTORY</p>	<p>Tag 3</p> <p><b>96.2 MPa</b></p> <p>2021-06-14 17:34</p> <p>VIEW HISTORY</p>
<p>Tag 4</p> <p><b>90.6 MPa</b></p> <p>2021-06-14 17:34</p> <p>VIEW HISTORY</p>	<p>Tag 5</p> <p><b>88.5 MPa</b></p> <p>2021-06-14 18:29</p> <p>VIEW HISTORY</p>	

### Strength Monitoring Platform

#### Realttime monitoring

Maturity Monitor > Realtime

# Maturity Testing

<p>Tag 1</p> <p><b>736 °C.h</b></p> <p>2021-06-14 17:34</p> <p>VIEW HISTORY</p>	<p>Tag 2</p> <p><b>660 °C.h</b></p> <p>2021-06-14 18:29</p> <p>VIEW HISTORY</p>	<p>Tag 3</p> <p><b>736 °C.h</b></p> <p>2021-06-14 17:34</p> <p>VIEW HISTORY</p>
<p>Tag 4</p> <p><b>645 °C.h</b></p> <p>2021-06-14 17:34</p> <p>VIEW HISTORY</p>	<p>Tag 5</p> <p><b>613 °C.h</b></p> <p>2021-06-14 18:29</p> <p>VIEW HISTORY</p>	





For more information  
regarding our services,  
please click here:



# THANK YOU!

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