

Outline











INTRODUCTION: THE PROBLEMS

DEMO

WHAT WE OFFER

Q&A

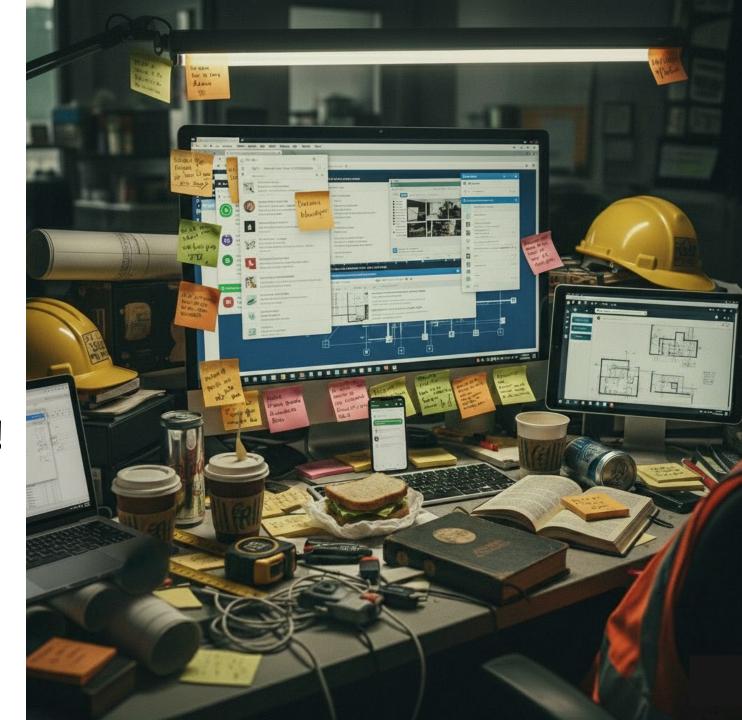




Introduction: The Problems

The Reality: Data Everywhere, Clarity Nowhere

Chaos Hides Warning Signs!!





Site Engineer/ Contractor

The on-site Bottleneck

- Trapped Data: Critical progress updates locked in handwritten site logs, excel spreadsheet and disconnected Whatsapp chat.
- Vulnerable "Master" Plans:
 Handwritten marking and coloring on paper drawings
- The Reporting Lag: Hours wasted manually compiling reports.





Design Engineer/ Consultant

The Cognitive Overload Trap

- Data Paralysis: Decision made based on Scattered data (PDFs, AutoCAD, excel files, emails, and whatsapp messages) leading to delayed Decision made
- Missed Warning Signs: Potential issues go unnoticed until they become problems





Project Manager/ Developer

The Executive Blind Spot

- The "Black Box" Effect: Information lack of transparency and Visibility
- Data Latency: By the time the data reaches the Project Manager, it is historical rather than actionable

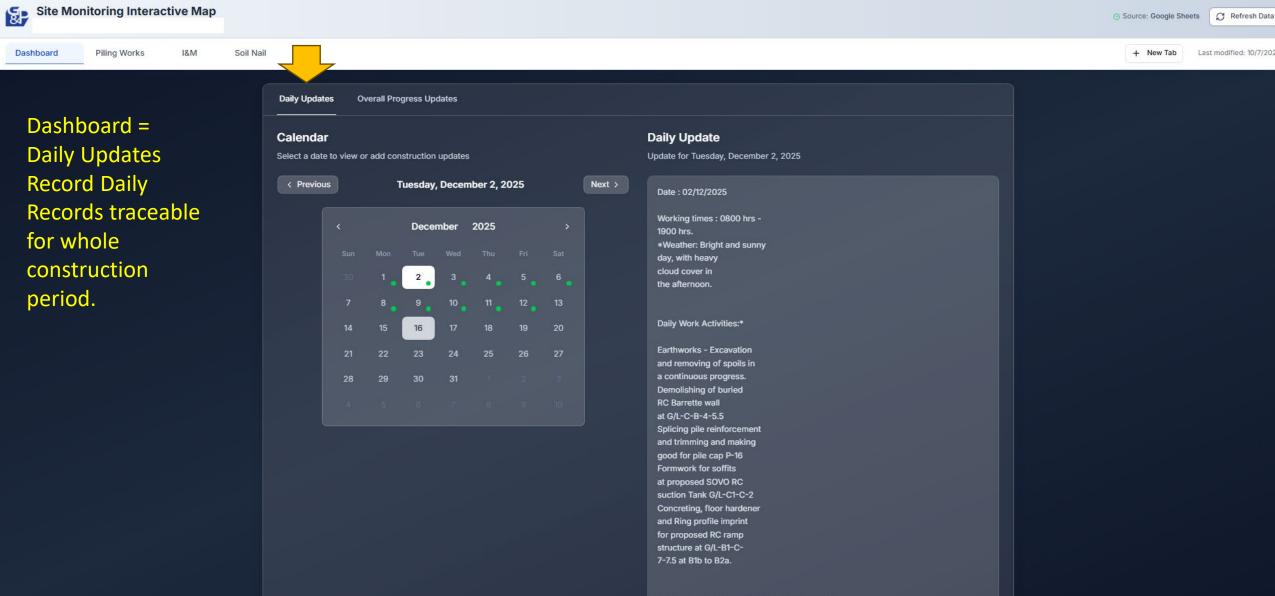




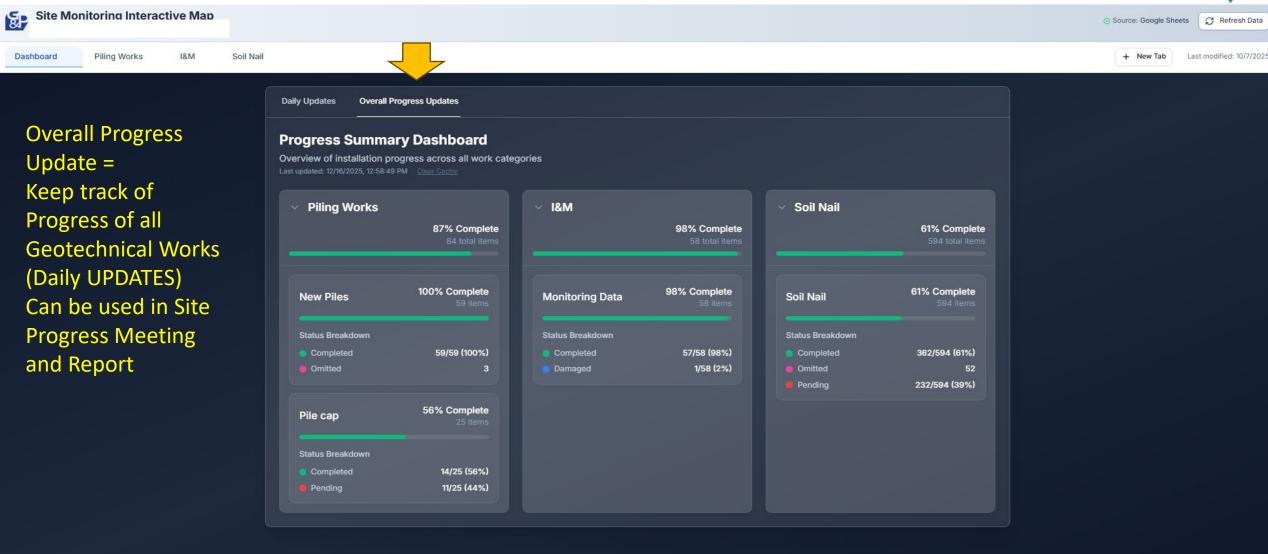
Demo

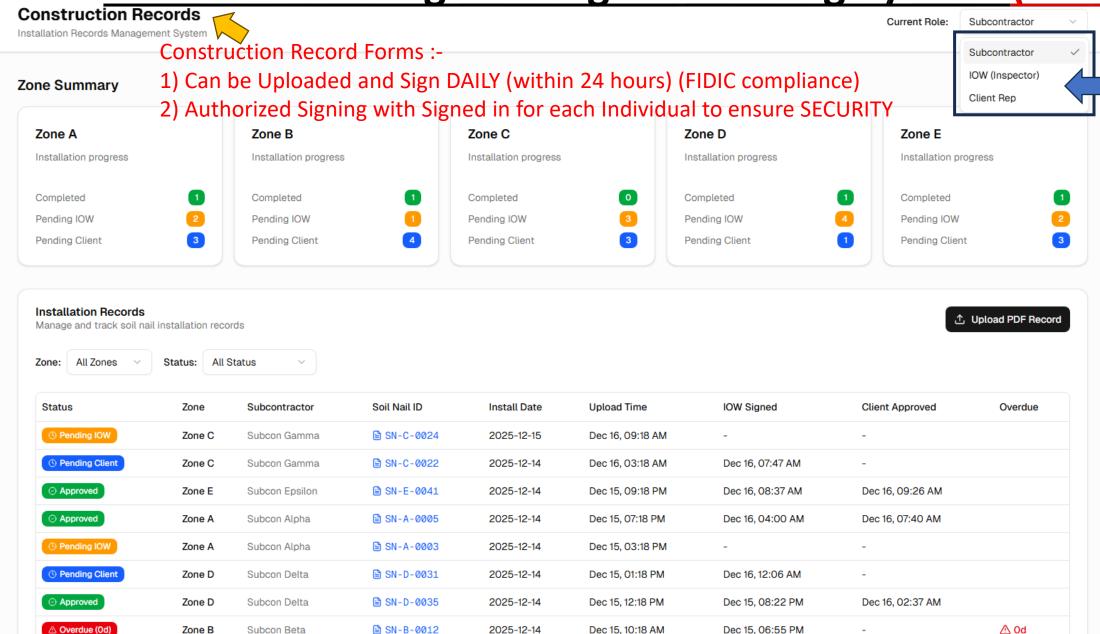






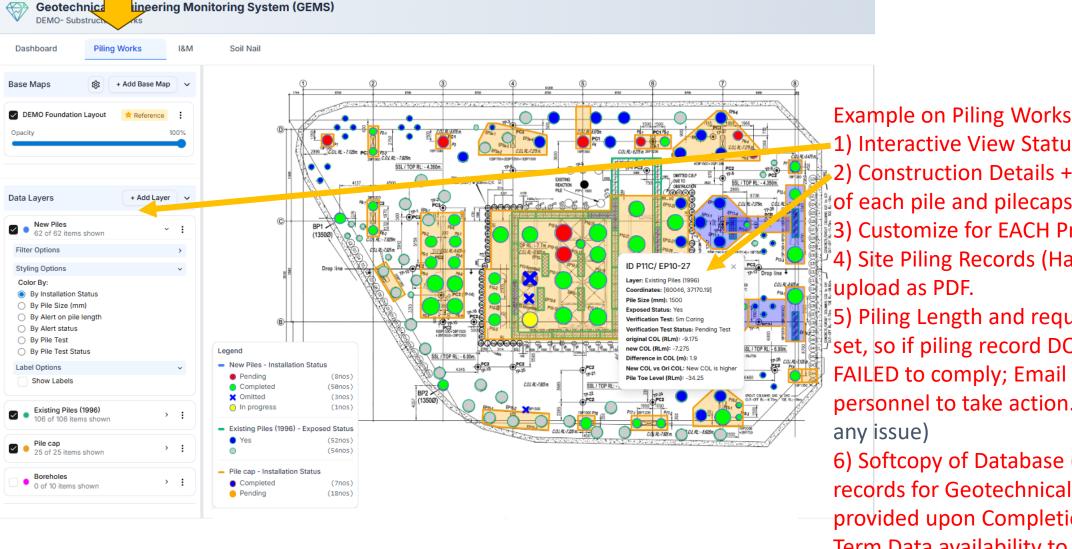






Can have
Multitier
Approvals
set up
customize
for each
project





Example on Piling Works (Daily Updates) :-

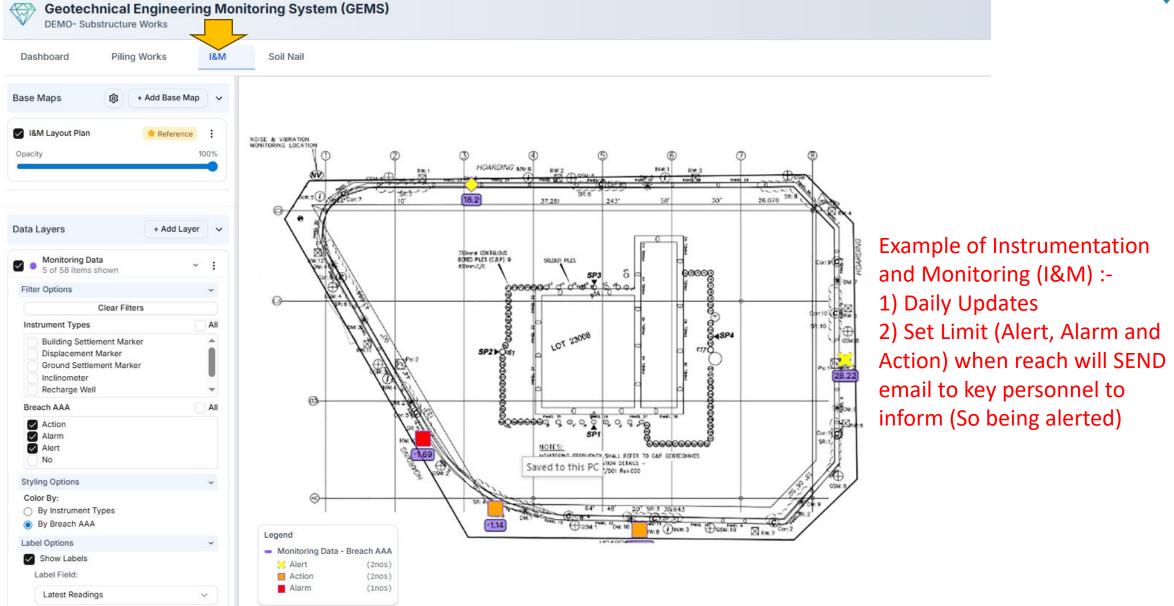
- 1) Interactive View Status
- 2) Construction Details + date of completion of each pile and pilecaps can be viewed
- 3) Customize for EACH Project.
- 4) Site Piling Records (Handwritten) can be
- 5) Piling Length and requirements can be set, so if piling record DO NOT MATCH or FAILED to comply; Email will be sent to key personnel to take action. (Will not missed
- 6) Softcopy of Database (All Construction records for Geotechnical Works) to be provided upon Completion of Project= Long Term Data availability to CLIENT.



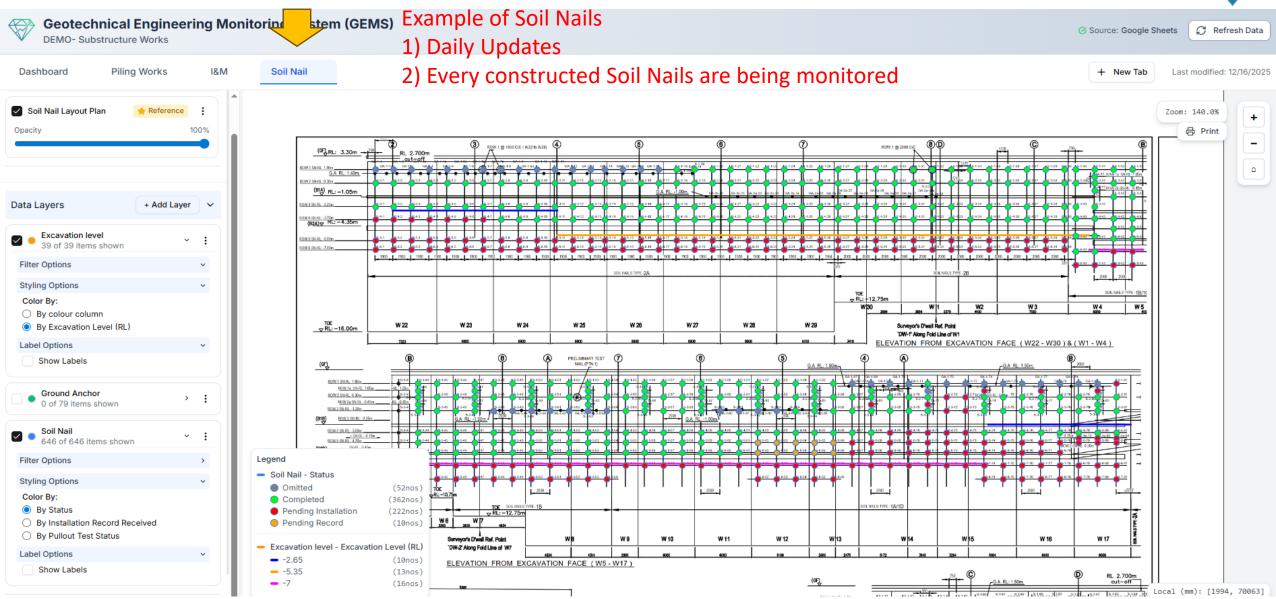


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New Piles											
ID	INSTALLATION STATUS	PILE TYPE	PILE SIZE (MM)	PILE EXPOSED STATUS	PILE TEST	PILE TEST RESULTS	COL (RLM)	FINAL DEPTH (M)	TOE LEVEL (RLM)	PILE LENGTH (M)	REMARKS
P1-1	Completed	Bored Pile (G&P)	1350	-	SLT	ок	-7.125 (original -5.475)	49.6	-46.1	40.58	9/7/24 - start boring until depth 12m from TOC & stop; 18/7/24 - continue boring back; 19/7/24 - Terminated to toe & casting
P2-1	Completed	Bored Pile (G&P)	1000	-	HSDLT	Pile enlargement issue from 1m to 8m depth (33.2 to 40.2m from pile toe). Pending site verification	-7.925 (original -6.275)	42.5	-38.9	32.58	-
P2-2	Completed	Bored Pile (G&P)	1000	-	-	-	-7.925 (original -6.275)	42.9	-39.1	32.85	-
P3-1	Completed	Bored Pile (G&P)	1500	-	SLT	ОК	-5.575	54.1	-50.8	45.18	-
P4-1	Completed	Bored Pile (G&P)	1500	1) Ke ⁻ 2) Re	ple on Pilin y informati cords can b ultant and (on also clea e used by	arly Display	red	-50.7	45.16	API insufficent length by 2.175m/P4 got memo on ecc out of tolerence but contractor insist to proceed/Previous already bore until 38m and contractor decide to hold & backfill back until 5m due to problem on ecc & waiting for confirmed casing as-built from surveyor/Boring back from 5m until toe from 29/7-30/7 - Concrete budging at depth between 10.3m-6.5m from TOC
P5-1	Completed	Bored Pile (G&P)	1200	Yes	HSDLT	ОК	-6.275	42.3	-41.2	34.92	-
P5-2	Completed	Bored Pile (G&P)	1200	Yes	-	-	-6.275	41.9	-41.0	34.73	-
P6-4	Completed	Bored Pile (G&P)	1200	Yes	-	-	-7.275	42.6	-42.1	34.8	-
P6-5	Completed	Bored Pile (G&P)	1200	Yes	MLT (Bi-Directional) with SLT	ОК	-7.275	43.3	-42.9	35.66	-
P7-1	Completed	Bored Pile (G&P)	1350	Yes	-	-	-5.475	46.2	-45.7	40.23	undercast by 2.5m
BP1	Completed	Bored Pile (GPC)	1350	Yes	-	-	2.14	48.7	-45.2	47.32	-
P8-1	Completed	Bored Pile (G&P)	1200	-	-	-	-7.925 (original -6.275)	44.6	-41.2	34.95	-
P8-2	Completed	Bored Pile (G&P)	1200	-	-	-	-7.925 (original -6.275)	44.3	-41.1	34.86	-
P9-2	Completed	Bored Pile (G&P)	1500	-	-	-	-9.425	58.2	-55.0	45.56	-
P9-3	Completed	Bored Pile (G&P)	1500	-	-	-	-9.425	58.0	-54.8	45.33	-
					SLT& Corina Test(GSB own	Suspected pile integrity issue at around 2m to 8m below COL (due to drop in					FIRST BORE AT 1/7/24 AND ENCOUNTER EXISTING PILING & BACKFILL BACK











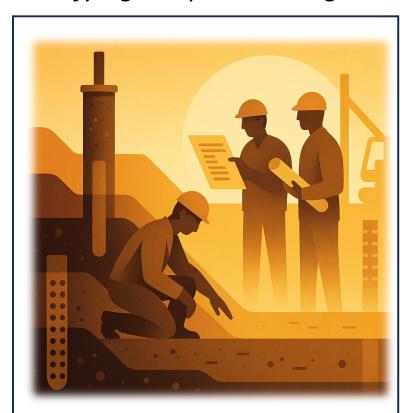




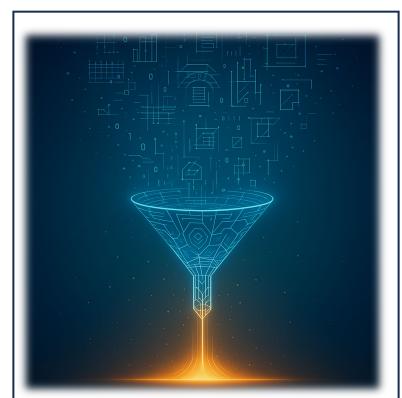
Engineered Intelligence, Not Just Software.



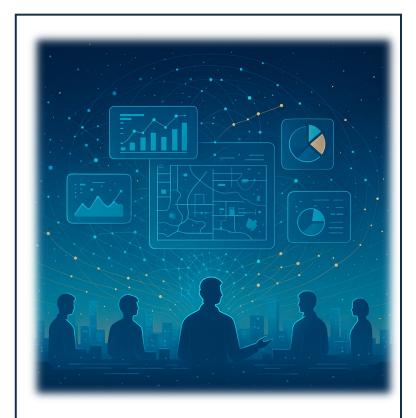
Generic dashboards show data. **GEMS understands** *Geotechnical Logic* – *identifying risk patterns in geotechnical works*



Over decades of site investigations and design audits, recurring failure patterns emerged.



Root causes and decision patterns were distilled into structured knowledge.



These lessons now power real-time validation, alerts, and dashboards.



BEFORE







Paper/PDF drawings, manual updates







Daily updates in Whatsapp

Structured Progress Updates





Delayed design feedback/ Overlooked potential issues

Automated Alerts





Disconnected teams

Unified digital platform



GEMS PRICING PLAN



Geotechnical Insight tailored to your site conditions built into every plan



Quartz Plan

Clarity in Every Foundation

Essential plan for single site activity (e.g. Piling Works). Designed for focused monitoring of one workstream – simple, reliable and crystal clear. Expert-guided configuration.

Includes:

- √ 1 Interactive activity map
- ✓ Daily progress updates
- ✓ Progress Summary Dashboard
- ✓ Multi-user access & data sync

RM 5000 per month per project



Sapphire Plan

Strength Across Disciplines

Advanced Plan for projects with multiple parallel activities up to three site activities. Integrates insights across tabs for stronger coordination and deeper visibility.

Includes:

- ✓ Everything in Quartz Plan
- ✓ Up to 3 site activities
- ✓ Cross-tab Interactive map
- Multi-activity progress dashboard

RM 8000 per month per project



Diamond Plan

Brilliance Tailored to Your Project

Premium customizable plan for complex projects requiring bespoke dashboard, data integrations, or enterprise reporting. Each setup is uniquely engineered to your project.

Includes:

- ✓ Fully customized layout & features
- ✓ Dedicated setup & support
- ✓ API/ Automation Integrations
- ✓ Price upon consultation

CUSTOM
Contact us!





