



Pragma

Data Management Services

Pragma is a consulting firm specializing in data management for EPC projects. Our main objective is to drive data management in engineering and construction projects to improve efficiency and profitability. We focus on closely collaborating with our partners to ensure project success through process optimization and informed decision-making.



Unlocking Success in Engineering and Construction Projects

Engineering and construction companies face significant challenges, including:

40%

Of tasks behind schedule

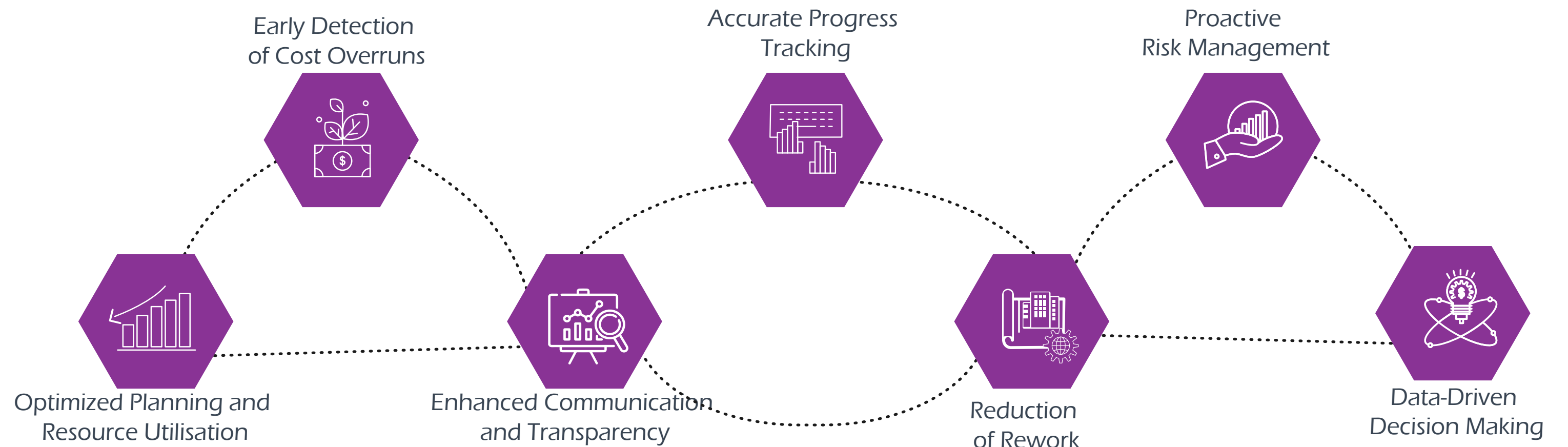
Engineering and construction companies face significant challenges, including:
Disconnects in Design, Planning, and Quality
Resulting in delays, rework, misinformation, and unidentified risks.

30%

Over their original budgets

Costs of Poor Project Management
Leading to misinformed decisions and loss of focus on original objectives due to non-integrated systems.

Effective Project Management through Data Analysis



Meet the engineers behind Pragma Data Management Services

Pragma is a multidisciplinary team of engineering and Data Management experts, led by CEOs Valeria and Andrea, with over 15 years of experience collaborating to provide innovative and efficient solutions.



Valeria Muñoz Garcia

DATA ANALYST
PROJECT CONTROL SPECIALIST
PROJECT MANAGEMENT



Andrea Neme

DATA ANALYST
BIM SPECIALIST
PROJECT MANAGEMENT

STAFFING
TECHNICAL

System Engineer

Florencia Bugarini

10 years working in the Technology field.
Manual QA/ Automated QA, Business Analyst
and Product Owner.

Francisco Alvarisqueta

Experience with Microsoft Technologies (.NET, Sharepoint)
and looking for continuous improvement.

Claudia Neme

Full stack web developer with experience in
MERN and PERN stacks, using Linux as environment.

STAFFING
FUNCTIONAL

Data Science

Brenda Grao

Industrial Engineer

Experience on reporting to business stakeholders
developing Power BI reports, running T-SQL queries,
consume APIs, design ETL processes, among
other actions.

Data Analytcs

Andrea Dominguez

Senior Project Accountant

Civil engineering industry-finance Reporting

Data analyst JR, SQL, Power BI, Python, SAP ORACLE.

CONSULTATION

Doc. Controller Specialist

Tatiana Lopez

Experience in the administrative
and quality area, with knowledge
in process improvement.

Vanesa Basanta

Administrative management in Engineering
and New Developments - DIEL -
Engineering and Production Management.

TRAINING
DOCUMENTATION

Project Management
Control Specialist

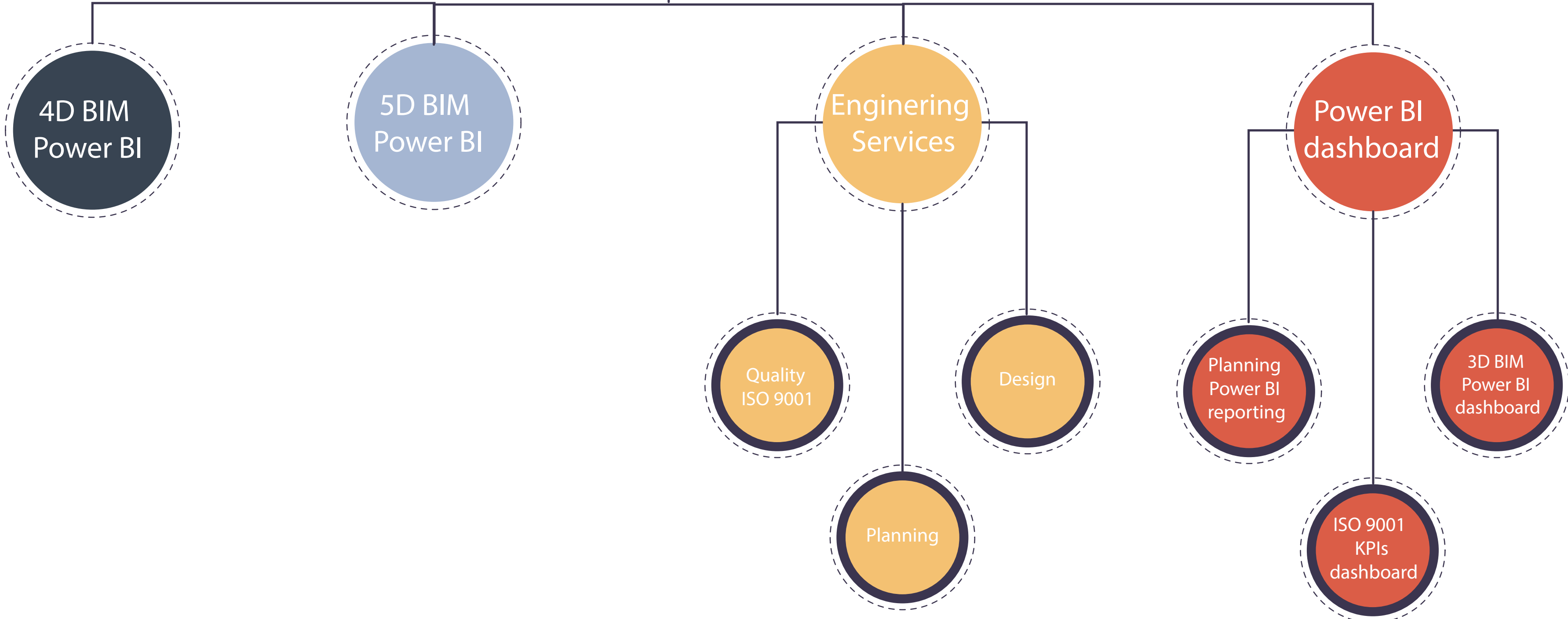
Andrea Kutch Salazar

10 years of experience in QHSE Management System,
Implementation of the integrated management system
(ISO 9001, ISO 14001, OHSAS 18001)
Material control system, nonconformities control method,
lesson learned.
Oil & Gas and data center construction industry

Our Amazing Team location



Our Services

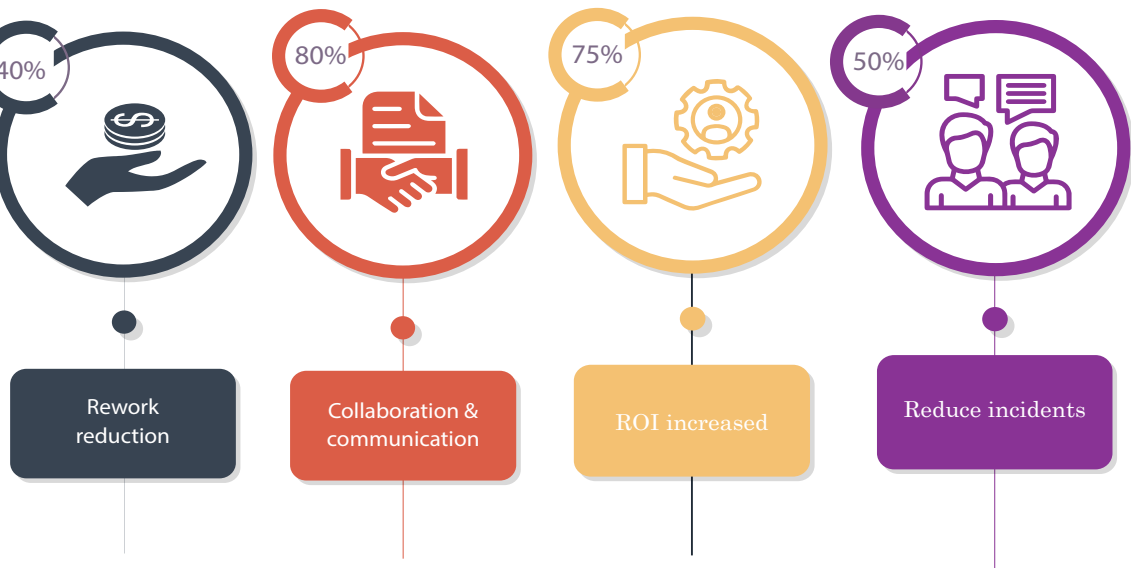
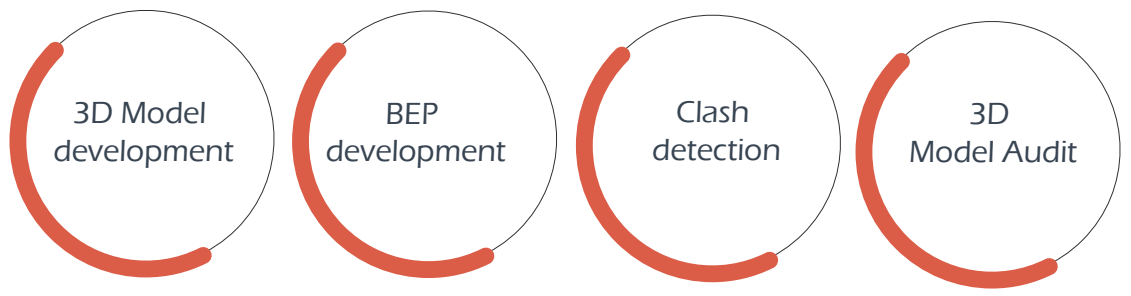


Engineering Services

Pragma provides comprehensive engineering services. We offer expert 3D model design, BIM consulting, clash detection, project optimization, and planning services like tender planning, delay analysis, and risk management. Our quality management services help EPC companies achieve ISO 9001 certification.

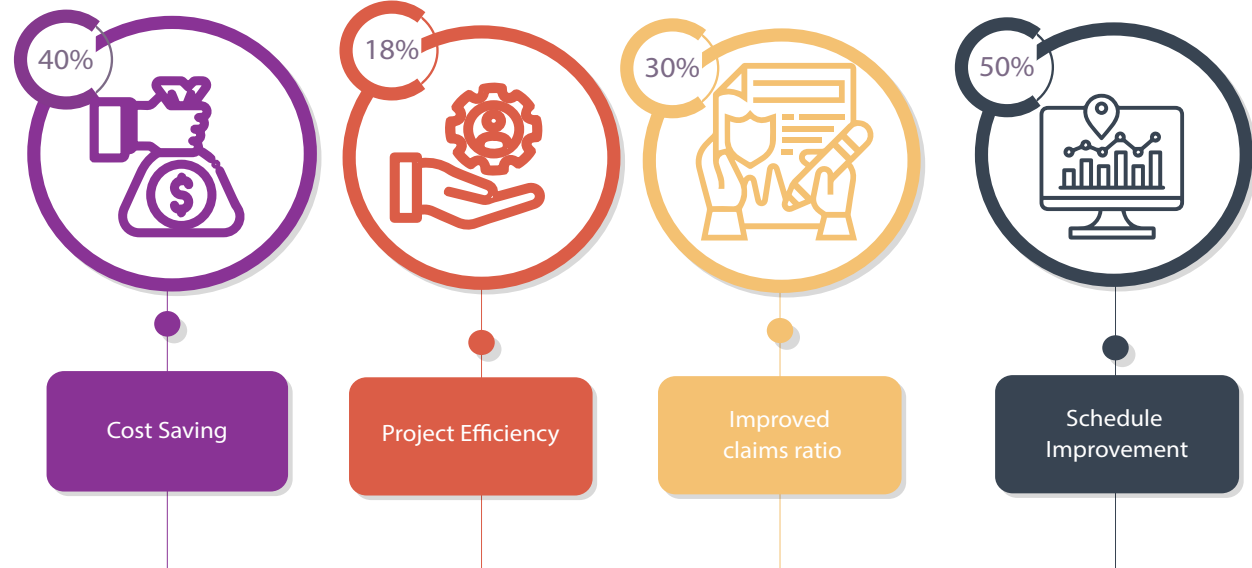
Design Services

Streamline your project's success and unlock the full potential of BIM with Pragma's expert consultant design services. Our comprehensive solutions, including meticulous BEP development, precise 3D model creation for tender and basic design stages, and rigorous clash detection and reporting, ensure a seamless and efficient project lifecycle.



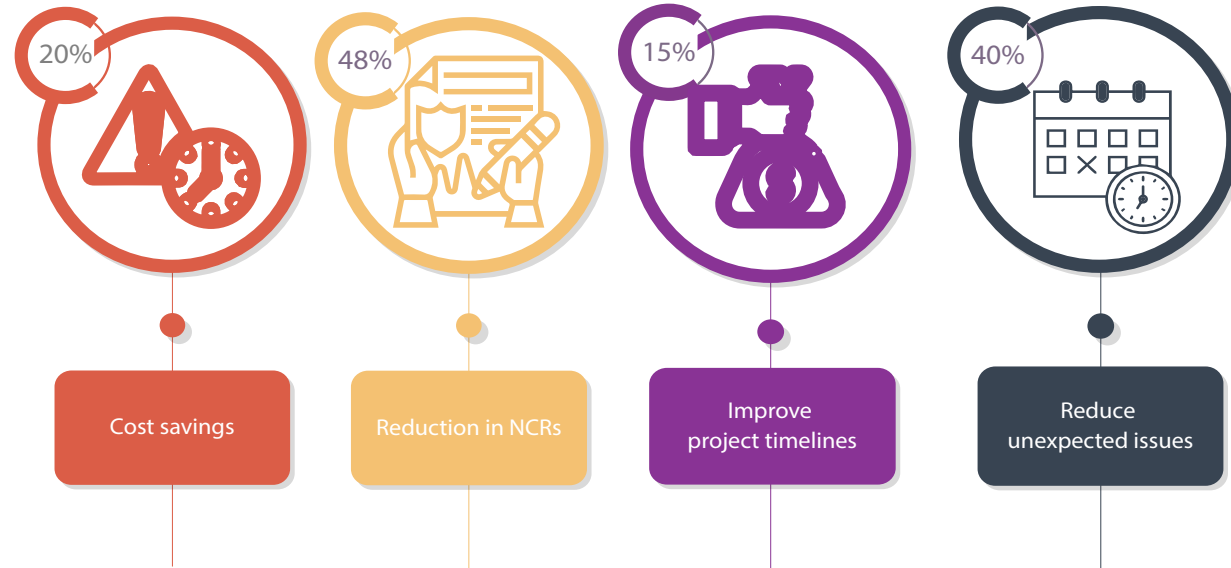
Planning Services

Pragma offers specialized consultant planning services designed to optimize EPC project outcomes. By providing expert guidance in Tender Planning & Bid Development, Delay Analysis, and Project Risk Management, Pragma empowers clients to enhance their project's competitiveness, mitigate potential delays, and effectively manage uncertainties, ultimately leading to increased project success and profitability.



Quality ISO 9001 Services

Pragma excels in supporting EPC companies on their journey to ISO 9001 certification. We meticulously identify critical processes and activities, ensuring comprehensive control. Our expertise lies in documenting procedures and processes to create a robust quality management framework.



Power BI dashboard

We transform raw data into actionable insights using Power BI. Our services include data integration, cleansing, transformation, and modeling.

3D BIM Power BI dashboard

Power BI provides comprehensive data analysis capabilities, allowing users to create interactive reports and dashboards. On the other hand, 3D modeling in construction enables the digital representation of physical and functional characteristics of sites, making it easier to understand and manage construction projects.

Quantity of Elements

1301

3D Structure Model Dashboard

Level

Select all	Foundation	Level N01	Level N02	Level N03	Level N04	Level N05
Level N06	Level N07	Level N08	Level N09	Level NCB	Level S01	Level S02

Quantity of Elements selected

	248	754	11	16	1	28	3	31	62	31	36
Beam 0.25 X ...	Column	Concrete Beam	Concrete Wall	Floor Slab	Founda... Slab	Metal Beam	Metal Column	Pile	Retaini... Wall	Strip Footing	Structu... Reinfor...

3D Modeling

16,250

Area (m2)

Area (m2) by element

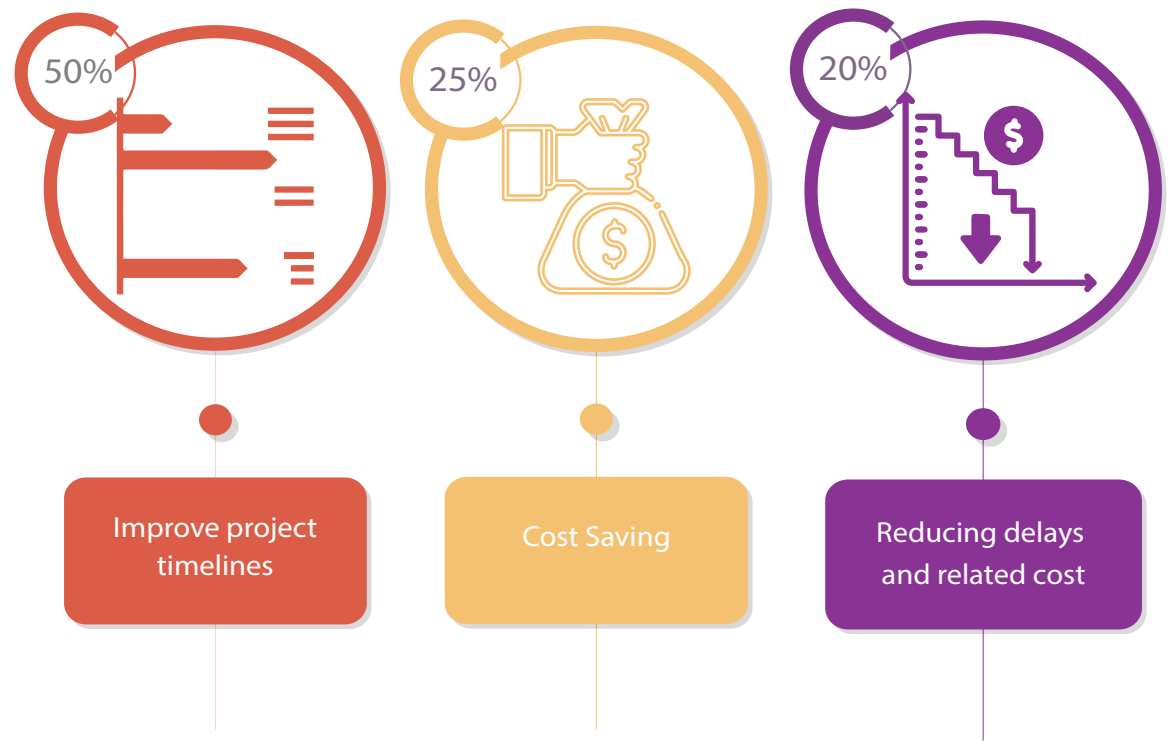
Beam 0.25 X 0.25	1291	Column	1964
Pile	1510	Concrete	4188
Floor Slab	5190	Founda...	

1,969

Volume (m3)

Volumen (m3) by element

Beam 0.25 X 0.25	95	Concrete	270
Retaining Wall	152	Column	39
Pile	365	Floor Slab	555
Metal	0	Founda...	256



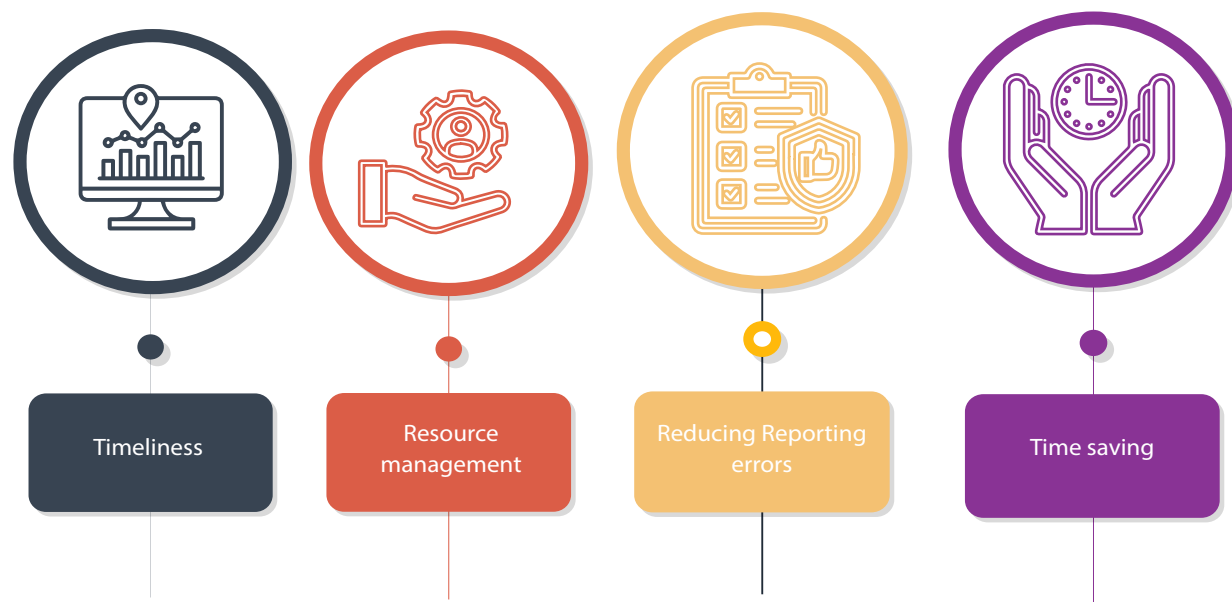
3D BIM Model - not for commercial use

Power BI dashboard

We transform raw data into actionable insights using Power BI. Our services include data integration, cleansing, transformation, and modeling.

Planning Power BI reporting

The integration of Primavera P6 and Power BI offers a powerful solution for project management and data analysis. By combining the strengths of these two tools, project managers can make informed decisions, optimize resource allocation, and ensure project success. Through a streamlined process of exporting, cleaning, and visualizing data, connecting Primavera P6 with Power BI opens the door to a new era of data-driven project management.



Power BI dashboard

We transform raw data into actionable insights using Power BI. Our services include data integration, cleansing, transformation, and modeling.

SGC ISO 9001 KPIs Dashboard

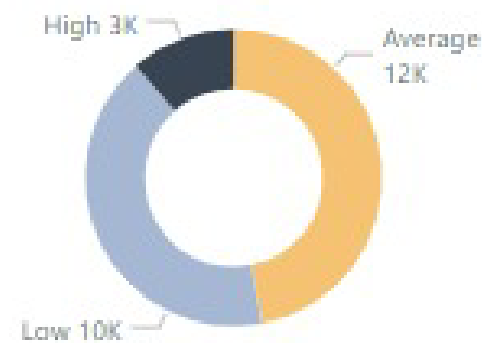
Power BI is an exceptional tool for transforming raw data into actionable insights. When applied to an ISO 9001 quality management system by tracking quality-related Key Performance Indicators (KPIs), you can identify trends and areas for improvement, resulting in fewer defects and increased customer satisfaction.



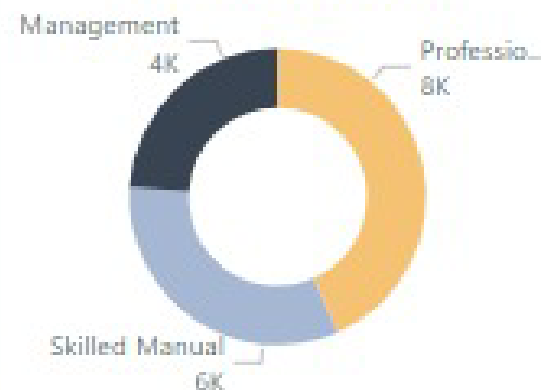
3,429
UNIQUE CUSTOMERS

\$670
REVENUE PER CUSTOMER

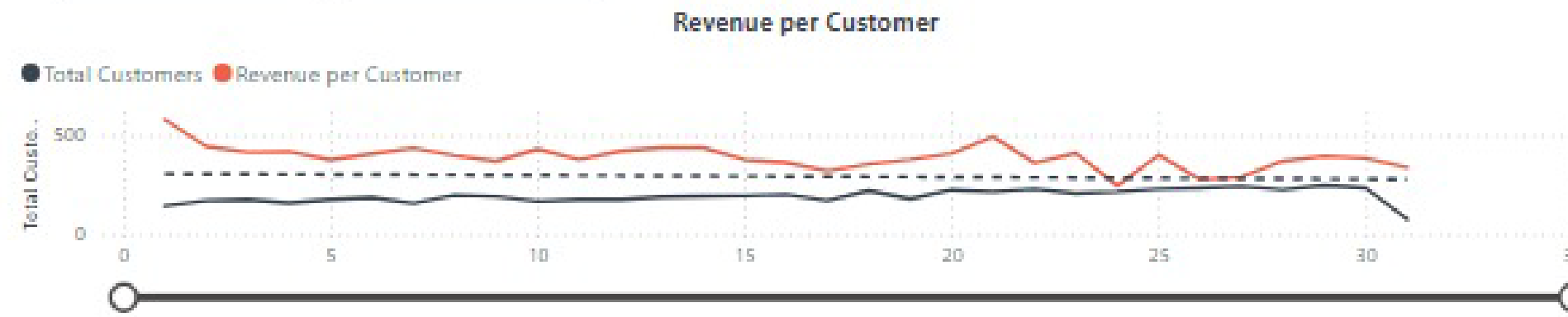
Orders by Income Level



Orders by Occupation



Total Customers Revenue per Customer



Day

Year

2020 2022

Top 100 Customers			
Customer Key	Full Name	Orders	Revenue
11439	Mrs. Janet Munoz	5	\$9,568
11433	Mr. Maurice Shan	4	\$8,711
12124	Mrs. Brandi Gill	3	\$6,682
12300	Adriana Gonzalez	2	\$4,621
11739	Mr. Aaron King	2	\$4,500
11002	Mr. Ruben Torres	2	\$4,433
11425	Mrs. Ariana Gray	2	\$4,290
11572	Mr. Billy Moreno	2	\$4,208
11409	Mrs. Jacqueline Hayes	2	\$4,200
16570	Mrs. Julie She	2	\$4,194
11340	Mrs. Melody Munoz	2	\$4,182
11479	Mr. Darryl Wu	2	\$4,168
11571	Mr. Joel Sai	2	\$4,164
11416	Mrs. Katrina Becker	2	\$4,098
11577	Mrs. Janet Serrano	2	\$4,098
16569	Mrs. Colleen Li	2	\$3,937
16937	Mr. Craig Rubio	2	\$3,933
Total		335	\$184,328

Top Customer by Revenue

Mrs. Janet Munoz

Orders

5

Revenue

9,568



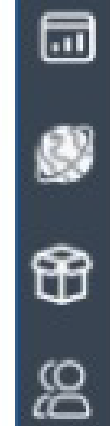
Among customers in skilled manual roles in 2022, Billy Moreno drove the most revenue at \$4,208



Cost saving



Improve project timelines



4D BIM Power BI

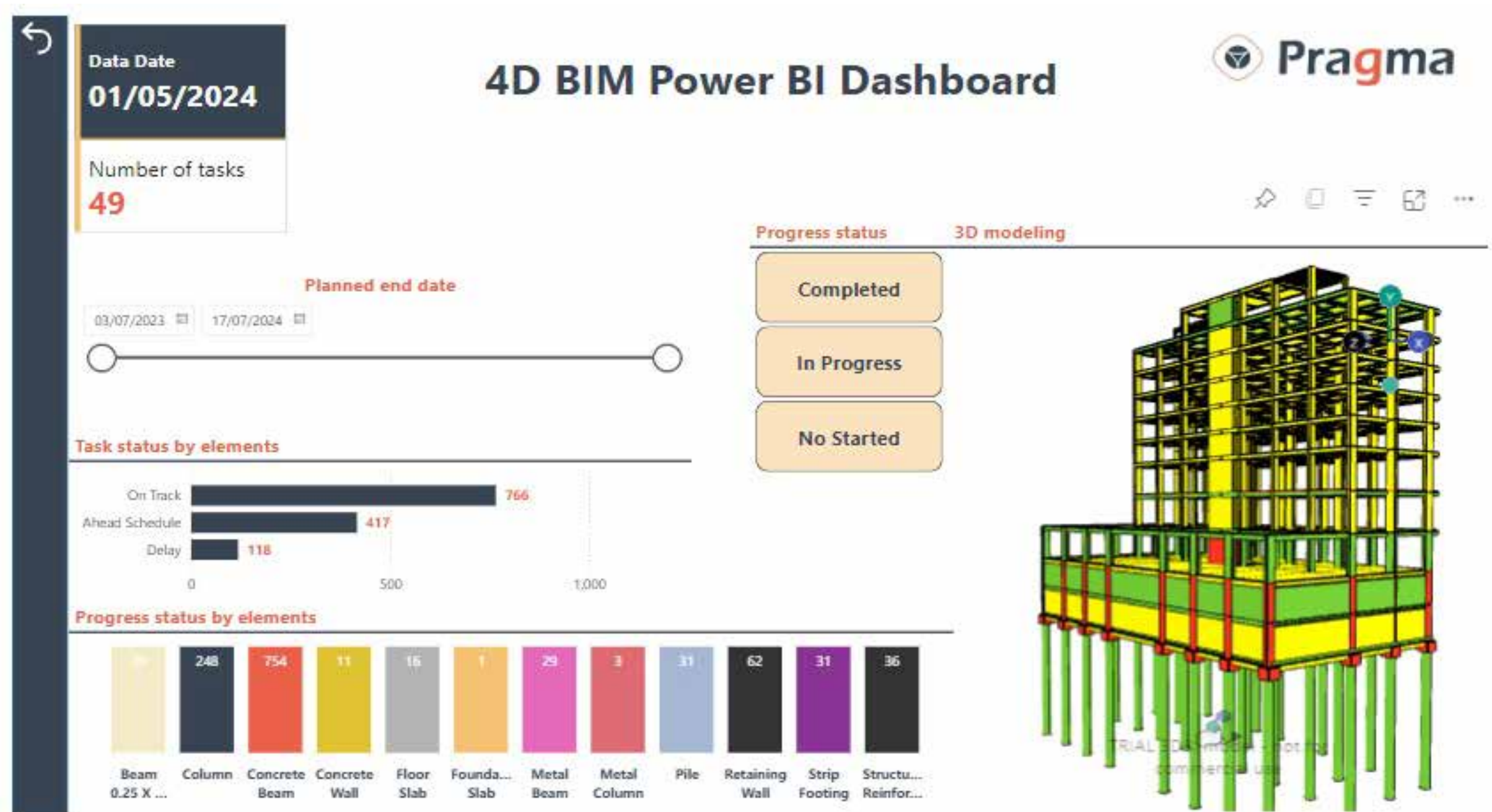
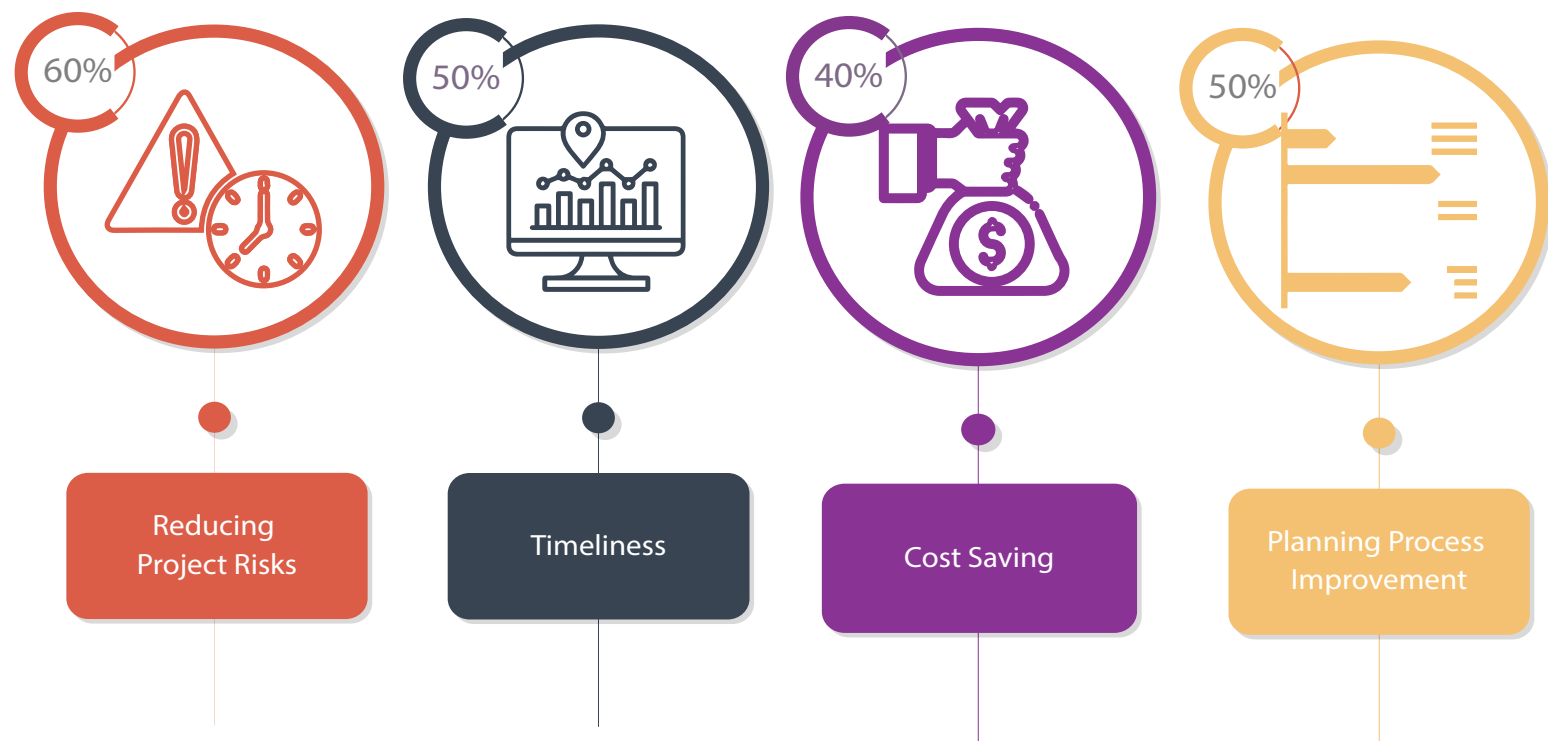
The 4D BIM Model integrates the 3D BIM Model with project scheduling data (the 4th dimension of time).

This combination creates a dynamic visualization of the process to understand the project timeline, sequence activities, and identify potential clashes or delays before they occur.

Integrating 4D BIM with Power BI transforms the way construction projects are planned, monitored, and managed.

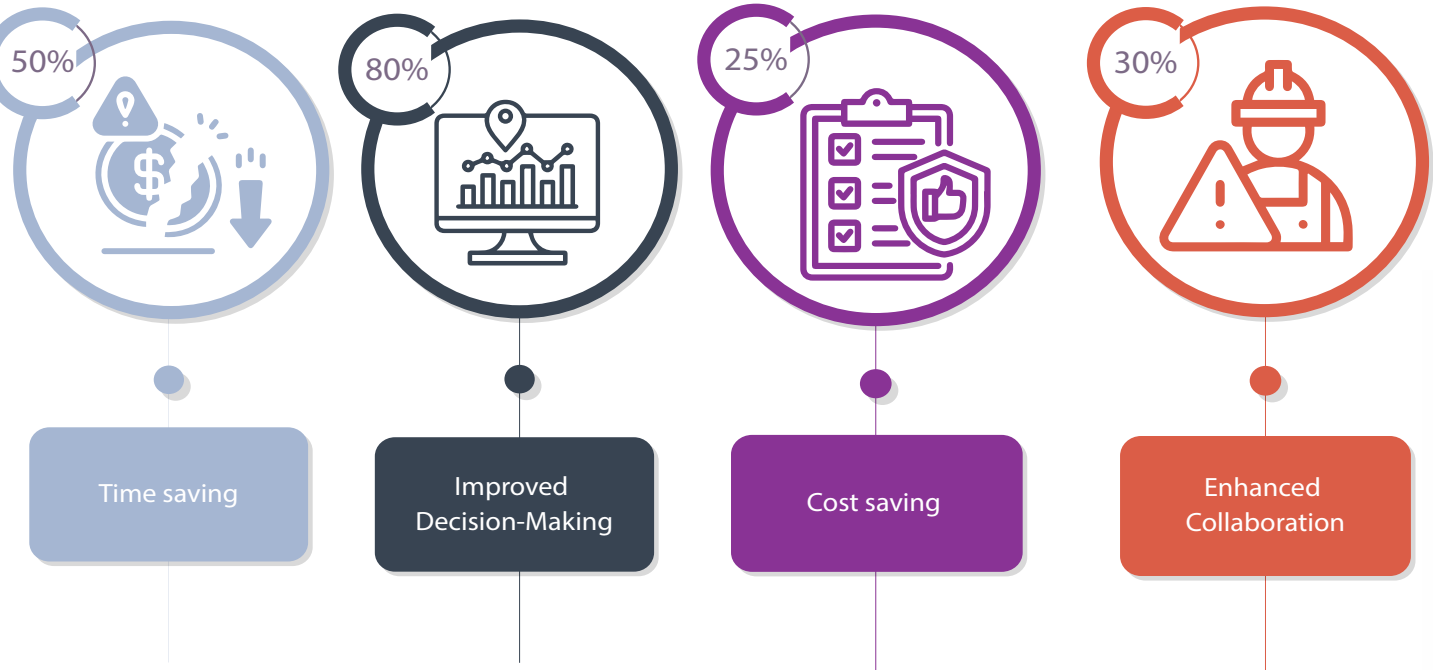
The combination of time-related data with 3D models, along with the powerful data visualization and analytics capabilities of Power BI, provides significant benefits in terms of visualization, planning, collaboration, risk management, and overall project control.

This integration supports better decision-making, leading to more successful project outcomes.



5D BIM Power BI

5D BIM visualization in Power BI transforms the way cost management is handled in engineering and construction projects. By integrating cost data with the 3D model and project timeline, stakeholders gain a powerful tool for financial planning, monitoring, and control. The real-time insights and interactive visualizations provided by Power BI enhance decision-making, improve communication, and ensure better financial outcomes for construction projects.



←

5D Power BI Dashboard

Status

- Completed
- In Progress
- No Started

Number of tasks

49

Spent hours

98K

Cost amount

0.78M

Number of elements

12

Planned end date

03/07/2023 17/07/2024

Cost amount per month

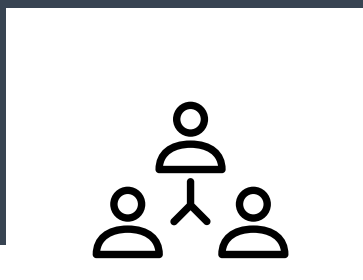
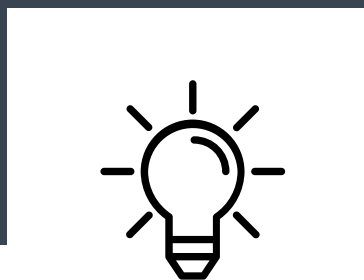
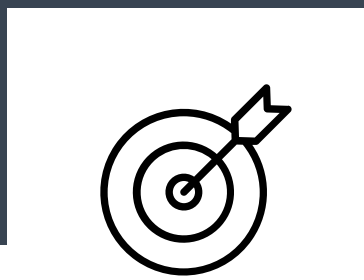
Month	Cost Amount
July 2023	0.25M
August 2023	0.02M
September 2023	0.02M
October 2023	0.02M
November 2023	0.05M
December 2023	0.06M
January 2024	0.06M
February 2024	0.05M
March 2024	0.05M
April 2024	0.05M
May 2024	0.05M
June 2024	0.06M
July 2024	0.03M

Cost variance by task

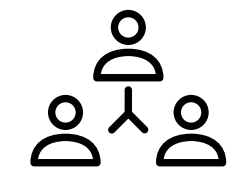
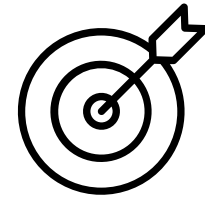
Task Status	Cost Variance
Ahead Schedule	20.1M
Delay	10.1M
On Track	8.4M

3D Modeling

Data management tools



We simplify construction processes to increase your project velocity



Working with the best clients and partners



Pragma

Data Management Services

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