

Modernize Outdated Tools with Power Apps & Power BI

About Us:

UB Technology Innovations, Inc. (UBTI) is a leading global technology solution provider with more than 3 decades of experience across all industries, specializing in Capital Markets (Asset Management), Logistics, and Healthcare. We are the Microsoft Solutions Partner backed by a world-class team of Microsoft Certified experts with rich experience in Azure Cloud Platform and Data Analytics.

Technology:

Power BI & Power Apps

Challenges:

Facing the limitations of ProContractorMX and Smartsheet, the construction firm partnered with UBTI to modernize its project management. We seamlessly integrated Power BI for in-depth project analytics and consolidated reporting, while Power Apps enhanced real-time interactions and holistic project overview. The result was the centralization of project data, eliminating data fragmentation, and establishing a comprehensive reporting system.



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Solution

Our company holds substantial expertise in Microsoft technologies and has effectively utilized Power BI for project analytics and consolidated reporting, in addition to Power Apps for actionable intelligence. These efforts were directed at aligning all data onto a single page, streamlining the creation of a comprehensive project overview enriched with actionable information.

We integrated Power BI with the client's ProContractorMX application, which enabled the consolidation and analysis of project data scattered across different segments. This integration provided advanced project budget analytics, streamlined reporting, and improved control over page layout.

Moreover, we incorporated Power Apps into this solution, seamlessly embedding them with Power BI to construct a holistic project overview and foster real-time interactions among project statuses. Users could then input work item statuses and comments effortlessly and access action items directly, enabling actionable intelligence.

Furthermore, we implemented a paginated report to ensure adherence to formatting standards and make it an ideal solution for displaying extensive project data in an organized manner. This report facilitates easy conversion into PDF format and ensures its readiness for client printing needs.

The most significant advancement brought to our client is the centralization of project data and the integration of advanced project analytics. This centralization eradicated data fragmentation, simplified data administration, and guaranteed that all pertinent project data was effortlessly accessible through a unified platform.

Benefits:

- **Advanced Project Analytics:**

Utilizing Power BI provided advanced project analytics, enabling the client to gain deeper insights into project performance and budget variations. This empowered data-driven decision-making.

- **Centralized Data Management:**

Our solution centralized project data eliminated fragmentation and ensured all information was accessible from a single platform. This greatly simplified data management and reduced the risk of errors associated with scattered data.

- **Instantaneous Collaboration:**

Real-time collaboration promoted efficiency among project stakeholders. Project engineers could instantly update work item statuses, provide comments, and access action items, boosting project agility.

- **Precise Page Layout and Data Intensive Reporting:**

Implementing paginated reports ensured that project metrics were displayed in an organized and standardized format. This improved the readability and usability of reports, enhancing their value to stakeholders.

Dashboard



Team	Team Leader	Project	Project Address	Client Name	Project Engineer	Stage	Budget	Budget Color	Current Cost	Percent Complete	Cost to Finish	Status	Act Start Date		
Team 1	Christian Gutierrez	20 056N	904 Creek Rd PHASE 2	Ceci Clarke, Inc.	Nathan Garcia	CLOSE OUT 2 LEVEL	\$910,504		\$973,110	96.10%	\$237,394	Active	7/12/2021		
		21 068	1261 Lago Vista Dr	Harris Anderson Construction	Bianca Mercedes	CLOSE OUT FINANCE	\$28,800		\$28,931	100.00%	\$2,949	Active			
		21 077	9816 Wanda Park Dr	AA Advisory			\$38,535		\$48,378	71.40%	(\$9,843)	Active			
		22 135	1524 Stone Canyon Rd	Harris Anderson Construction	Bianca Mercedes	COMPLETED	\$11,551		\$9,984	100.00%	\$2,567	Inactive			
		22 195	3389 Padaro Ln	Ceci Clarke, Inc.	Nathan Garcia	MID 2 LEVEL	\$94,944		\$92,772	100.00%	\$2,172	Active	6/12/2022		
		22 269	10768 Bellagio Rd	Bei Air Country Club	Louis Aung	COMPLETED	\$83,200		\$70,425	100.00%	\$12,775	Inactive			
		22 214	14652 Binney Street	Addition Building Design	Bianca Mercedes	NEW STARTUP	\$35,487		\$188	100.00%	\$35,299	Inactive			
		22 215	1101 Alston Rd.	Residential Construction	Oscar Bermudez	CLOSE OUT FINANCE	\$32,174		\$29,541	74.73%	\$3,633	Active			
		22 220	3rd St & Victoria Ave	DJ Scheffer, Inc	Bianca Mercedes	COMPLETED	\$17,825		\$17,825	100.00%	\$40,630	Inactive	11/3/2022		
		22 251	23742 Fern Trail	AJ Engineering & Construction	Louis Aung	RED BULL	\$0		\$2,899	100.00%	(\$2,899)	Inactive			
		22 259	4336 Hillview Dr	Addition Building Design	Bianca Mercedes	COMPLETED	\$20,361		\$21,807	100.00%	(\$1,256)	Inactive			
		23 057	2631 Creston dr	Virtus Construction	Bianca Mercedes	COMPLETED	\$0		\$0	100.00%	\$0	Inactive			
		23 132	29200 Larkspur Ln	Creative Builders	Bianca Mercedes	NEW STARTUP	\$297,441		\$0	0.00%	\$297,441	Active			
		23 170	295 Strata Corta Rd	BLAHA CONSTRUCTION	Raymond Ramos	BLAHA	\$0		\$2,255	Na%	(\$2,255)	Active	6/29/2023		
		Total							\$1,581,522		\$962,715	78.92%	\$618,807		
Team 2	Roberto Huerta	17 095	3528 Philip Ave	PASTER CONSTRUCTION	Jeffrey Chan	COMPLETED	\$0		\$1,082,566	100.00%	(\$1,082,566)	Inactive	2/20/2018		
		18 213	9006 Thrasher Ave (Shawmut)	SHAWMUT DESIGN & CONSTRUCT...	Oscar Bermudez	CLOSE OUT FINANCE	\$1,006,021		\$986,549	100.00%	\$414,052	Inactive	6/26/2022		
		20 215	6305 Gayton Place Project	Creative Builders	Nathan Garcia	CLOSE OUT 2 LEVEL	\$388,004		\$516,449	105.55%	(\$128,355)	Active	12/18/2020		
		20 235	909 N. Ogden Dr	Lee Stucker Construction	Oscar Bermudez	NEW STARTUP	\$718,491		\$0	100.00%	\$718,491	Inactive	8/28/2022		
		21 270	747 Latimer Rd	BLAHA CONSTRUCTION	Louis Aung	BLAHA	\$0		\$974	100.00%	(\$974)	Inactive	8/28/2022		
		21 271	430 Walker Dr	BLAHA CONSTRUCTION	Louis Aung	BLAHA	\$0		\$2,414	100.00%	(\$2,414)	Inactive	8/28/2022		
		22 147	1109 Calle Vista	McCoy Construction	Louis Aung	COMPLETED	\$0		\$3,454	100.00%	(\$3,454)	Inactive	8/28/2022		
		23 164	6728 Zumirez Dr.	Kaneroy and Associates	Jeff Chan	NEW STARTUP	\$41,093		\$42,509	84.02%	(\$1,498)	Active			
		Total							\$2,157,578		\$2,244,024	106.50%	(\$86,445)		
		Total							\$3,888,084		\$5,164,449	106.56%	(\$128,355)		

Actions Required

Project: 21 068

Actions Required: [Dropdown]

Attachments: [Dropdown]

Status: [Dropdown]

Submit Edit

Actions Required History

Project	Actions Required	Attachment Download	UserName	CreatedDate
21 068	test 1234		User Romero	7/25/2023

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		21 077	9816 Wanda Park Dr	AA Advisory			\$38,535		\$48,378	71.40%	(\$9,843)	Active			
		22 135	1524 Stone Canyon Rd	Harris Anderson Construction	Bianca Mercedes	COMPLETED	\$11,551		\$9,984	100.00%	\$2,567	Inactive			
		22 195	3389 Padaro Ln	Ceci Clarke, Inc.	Nathan Garcia	MID 2 LEVEL	\$94,944		\$92,772	100.00%	\$2,172	Active	6/12/2022		
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		22 220	3rd St & Victoria Ave	DJ Scheffer, Inc	Bianca Mercedes	COMPLETED	\$17,825		\$17,825	100.00%	\$40,630	Inactive	11/3/2022		
		22 251	23742 Fern Trail	AJ Engineering & Construction	Louis Aung	RED BULL	\$0		\$2,899	100.00%	(\$2,899)	Inactive			
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		23 057	2631 Creston dr	Virtus Construction	Bianca Mercedes	COMPLETED	\$0		\$0	100.00%	\$0	Inactive			
		23 132	29200 Larkspur Ln	Creative Builders	Bianca Mercedes	NEW STARTUP	\$297,441		\$0	0.00%	\$297,441	Active			
		23 170	295 Strata Corta Rd	BLAHA CONSTRUCTION	Raymond Ramos	BLAHA	\$0		\$2,255	Na%	(\$2,255)	Active	6/29/2023		
		Total							\$1,581,522		\$962,715	78.92%	\$618,807		
Team 2	Roberto Huerta	17 095	3528 Philip Ave	PASTER CONSTRUCTION	Jeffrey Chan	COMPLETED	\$0		\$1,082,566	100.00%	(\$1,082,566)	Inactive	2/20/2018		
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		21 270	747 Latimer Rd	BLAHA CONSTRUCTION	Louis Aung	BLAHA	\$0		\$974	100.00%	(\$974)	Inactive	8/28/2022		
		21 271	430 Walker Dr	BLAHA CONSTRUCTION	Louis Aung	BLAHA	\$0		\$2,414	100.00%	(\$2,414)	Inactive	8/28/2022		
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		Total							\$3,888,084		\$5,164,449	106.56%	(\$128,355)		

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Project: 00 000

Actions Required: [Dropdown]

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15 1988N	Patching works on walls.		Raymond Ramos	8/16/2023
15 1988N	Remaining scope of work: Exterior slab-on-grade CO 6 concrete walls CO block walls		Raymond Ramos	8/16/2023
15 1988N	Slope issues to be handled by Christian.		Raymond Ramos	8/16/2023
16 082a	Don and Christian met with GC for topping slab. Pending response from GC		Louis Aung	3/15/2023
16 082a	Find T&M work done for slab demo and quantify dollars		Bianca Mercedes	8/31/2023

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Team 1	17 095	3528 Philip Ave	PASTER CONSTRUCTION	Jeffrey Chan	Raymundo Gomez
	18 213	9006 Thrasher Ave (Shawmut)	SHAWMUT DESIGN & CONS...	Oscar Bermudez	Raymundo Gomez
	20 056N	904 Creek Rd PHASE 2	Ceci Clarke, Inc.	Nathan Garcia	Christian Gutierrez
	20 215	6305 Gayton Place Project	Creative Builders	Nathan Garcia	Raymundo Gomez
	20 235	909 N. Ogden Dr	Lee Stucker Construction	Oscar Bermudez	Raymundo Gomez
	21 068	1261 Lago Vista Dr	Harris Anderson Construction	Bianca Mercedes	Christian Gutierrez
	21 077	9816 Wanda Park Dr	AA Advisory		Christian Gutierrez
	21 270	747 Latimer Rd	BLAHA CONSTRUCTION	Louis Aung	Raymundo Gomez
	21 271	430 Walker Dr	BLAHA CONSTRUCTION	Louis Aung	Raymundo Gomez
	22 135	1524 Stone Canyon Rd	Harris Anderson Construction	Bianca Mercedes	Christian Gutierrez
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	22 195	3389 Padaro Ln	Ceci Clarke, Inc.	Nathan Garcia	Christian Gutierrez
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	22 214	14652 Binney Street	Addition Building Design	Bianca Mercedes	Christian Gutierrez
	22 215	1101 Alston Rd.	Residential Construction	Oscar Bermudez	Christian Gutierrez
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22 251	23742 Fern Trail	AJ Engineering & Construction	Louis Aung	Christian Gutierrez	
22 259	4336 Hillview Dr	Addition Building Design	Bianca Mercedes	Christian Gutierrez	
23 057	2631 Creston dr	Virtus Construction	Bianca Mercedes	Christian Gutierrez	
23 132	29200 Larkspur Ln	Creative Builders	Bianca Mercedes	Christian Gutierrez	
23 163	28637 Lupine st	McCoy Construction	Louis Aung	Christian Gutierrez	
23 164	6728 Zumirez Dr.	Kaneroy and Associates	Jeff Chan	Raymundo Gomez	
23 170	295 Strata Corta Rd	BLAHA CONSTRUCTION	Raymond Ramos	Christian Gutierrez	
Total					
Team 2	15 070B	27865 W Winding Way	TOMBOY FARMS, LLC.	Jeffrey Chan	Roberto Huerta
	17 169	14914 Corona Del Mar	JENSEN CONSTRUCTION	Benny Morales	Roberto Huerta
	17 170	14930 Corona Del Mar	JENSEN CONSTRUCTION	Benny Morales	Roberto Huerta

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