Project Assignment for the project: Wilmont Pharmacy Drone Delivery Project

Project: Wilmont Pharmacy Drone Delivery Project – Budget

Revision date: 2023-03-15

Revision Number: 2

This PDF document contains the following sections:

> SECTION 1: WBS items with timeline and HR resources needed (page 2)

➤ SECTION 2: Cost Estimates itemized by resource and covering also non-HR costs (page 3 – 9)

> SECTION 3: Gantt up to first delivery (page 10)

> SECTION 4: Project Cost Baseline and S-curve (page 11)

Changes since Revision 1 of 2023-03-14: updated the cost baseline chart

Wilmont Pharmacy Drone Delivery Project - Budget - SECTION 1 - WBS items with timeline and HR resources needed - cost estimates and line resources with name and costs next section Revision date: 2023-03-15

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Duration: in working days (Mon-Fri), 8h each; shown in Gantt: calendar weeks

Duration: in Notes:	working days (Mon-Fri), 8h each; shown in Gantt: calendar weeks																		
	oject start is January 5th 2024, but there is a potential of known-unknowns, both planning and contract negotiation will be	carried out i	in late 2023																
2. the HR re	source involvement is as per the business case documentation; the two project managers are allocated for the full project				Calend	lar weeks													
but explicitl	y listed only for approvals and some critical activitiies					ı					Resourc	es nee	ded, by V	/BS Item					_
WBS	Task Name	Start date	End date	Working days	Start	End			Prone Te	:h					W	ilmont			
1	Wilmont Pharmacy Drone Delivery Project				2023/44	2024/51	Senior Management /Sponsor	Legal	Project Manager	IT Management IT Analysis	IT Development	Engineering	Senior Management /Sponsor	Legal	Operations	Project Manager	IT Management	Process Analyst	Stores
1.0	Project Management and Reporting (includes post-initial delivery support to operations to phase-in into Business As Usual, plus knowledge transfer and communication with stakeholders by the project manager)	2023-11-06	2024-12-16	291	2023/45	2024/51			1							1			
	Monthly progress meeting with stakeholders (11, 2h each in preparation, 1h execution) Jan-Nov			6	2024/1	2024/44	1		1	1			1			1	1		匚
1.1	Phase: Initiation and contract/plan definition				1														
1.1.1	Develop Scope and Plan	2023-11-01	2023-11-30	22	2023/44	2023/48	1	1	1	1					1	1	1	\Box	\Box
1.1.2	Engage Stakeholders (included within the activities of the Project Manager, and therefore no allocation)	2023-11-01	2024-12-16						1							1			
1.1.3	Define contract	2023-12-02	2023-12-29	20	2023/48	2023/52		1						1				\neg	\top
1.1.4	System design - define IT and engineering requirements		2024-01-26	16	4	2024/4		1	-	1 :	1	1					2	1	
1.1.5	Define revised cost estimates, and risk management plan		2024-02-09	10		2024/6			1	1						1	1	—	_
1.1.6	Approval of new revised budget and staffing	2024-02-12	2024-02-16	5	2024/7	2024/7	1		1				1			1			
1.2	Phase: Drones and operations adaptation activities]														
1.2.1	Drone flight operations processes adaptation		2024-03-01	10		2024/9		1		:	1							1	_
1.2.2	Engineering requirements for drone changes		2024-03-15	10	1 ' '			1			\perp	1						\rightarrow	_
1.2.3	Approval of engineering changes and associated costs		2024-03-22	5 60	2024/12		1		1	_	+	2	1	_	_	1	_	-	+-
1.2.4	Engineering sub-project Approval of tests of modified drones	2024-03-25	2024-06-14	5	2024/13 2024/25		1	1	1			- 2	1			1	+	+	+
112.13	ripprovar of tests of modified drones	202 / 00 1/	12027 00 21		1 202 1,23	202 1, 23	- 1						-1			1 -1			
1.3	Phase: IT integration development	_																	
1.3.1	Prototype and pilot test with stakeholders	2024-02-18	2024-02-22	4															
	proposed integration on mock-up, including data			-	2024/8	2024/8		1	1		1	_		_	_	1	2	1	_
1.3.2	Develop mobile app and all other software and dataflows integration		2024-05-10	52		2024/19 2024/20	1		-		1 2	-	- 1		+	1	-	1 2	4
1.3.4	Approval of software application for integration Integrate software and data with Wilmont and test		2024-05-17	40	2024/20 2024/21		1	_	1	1 .	1 2	-	1	_	+-	1	1	1 2	,
1.3.5	Final IT systems integration approval		2024-07-12	5	2024/21		1		1	1	1 2		1			1		+-	+
		1	1		,,	,													
1.4	Phase: integration software and drones														_				_
1.4.1 1.4.2	Test integration of all the software components with hardware		2024-08-09	15			_			1 :	1 1	1		_	_	-	1	1 2	4
1.4.2	Approval of hardware and software integration results Develop operational manuals and training material, pilot training		2024-08-16	30	2024/33 2024/30		1	_	1		+	_	1	_	1	1	_	+	+
		1-0	1																
1.5	Phase: Start operations																		
1.5.1	Approval final go/nogo		2024-09-06	5	2024/36		1	_	1		+	_	1			1	_	+	+-
1.5.2	Deliver training to stores and operational staff		2024-09-27	15				_	1	_	+	_		_	1 1	1		+	-
1.5.3 1.5.4	Communication/advertisement plan execution Initiate deliveries by drone under monitoring from project team		2024-10-04	20 10	2024/37 2024/41			1	1		1 1	1		+	1	1	+	+	+
1.6	Close down project - activities involving the project manager supporting the operations team,																		
	and therefore covered by the 1.0 Project Management budget, detailed here only to support operations on preparation																		
1.6.1	Monitor operations for one month		2024-11-15	30		2024/46			1										
1.6.2	Document lessons learned Disband project team and hand-over to operations		2024-11-15	30 10		2024/46 2024/48			1										
1.6.4	Finalize review control accounts and report to management		3 2024-11-29	10		2024/48			1										
1.6.5	Prepare and deliver final report to stakeholders		2024-11-29		2024/47				1										
2.0.5	Trepare and deliver man report to stakeholders	2024 12-02	12024 12-10	- 11	2024,43	2027/31			-										

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Note: as the project start is January 5th 2024, but there is a potential of known-unknowns, both planning and contract negotiation will be carried out in late 2023 General Notes on Estimates:

A. the project manager will also be involved as liaison and in all the approvals; hence, as will be allocated full-time, cost will be shown only in 1.0, elsewhere only time spent

B. for the software development and integration activities, as well as engineering subproject, in this cost estimate further details have been added as per business case documentation

C. the labor hours and costs whose cell is highlighted in gray are those from the business case documentation

D. all the rates and costs are from the business case documentation provided

Notes about the cost estimates within the table below:

- (1) as per business case, the cost of Wilmont resources are not budgeted within the DroneTech cost estimate and budget; this line includes the costs to procure drones and spare parts
- (2) DroneTech project manager is considered as 1 FTE i.e 100% across all the project, from initiation to completion; hence, his cost is shown only under 1.0 Project Management
- (3) The project management time allocated covers also the period after the initial deliveries, where operations will take over; the Project Manager will be the only project team resource
- (4) All the approvals have one working week each within the Gantt, but the time allocation budgeted is 8 hours, as will be delivered as 1-day workshop, leaving then 4 days to file approvals
- (5) Progress meetings with stakeholders by the two project managers will be held at least once a month, and are inserted below considering start January 5th, last meeting end December

WBS ref	erence	Labor Hours		n Labor e (\$/hr)	Lab	or Costs	Exp	oenses	Material Costs	Rental Equipment Costs	Tot	al Costs	Notes		als by WBS ment
1	Wilmont Pharmacy Drone Delivery Project				\$	313.450,00	\$	-	\$ 92.136,00	\$ -	\$	405.586,00	(1)	\$	405.586,00
	- Drones: 4 at USD 18,034 each		$oxed{oxed}$						\$ 72.136,00					$oldsymbol{ol}}}}}}}}}}}}}}}}}}$	
	- Drone Maintenance/Repair Parts		$oxed{oxed}$						\$ 20.000,00						
	Monthly progress meeting with stakeholders (12, 3h each in preparation, 1h														
	execution) Jan-Nov	48	1											\$	5.280,00
	Resource: DroneTech CEO Jordan Kempler JXK	12	\$	200,00	\$	2.400,00									
	Resource: Wilmont Operations Vice President George Cranston GWC	12	\$	-	\$	-									
	Resource: DroneTech Project Lead IT Systems Eileen Seymour ERS	48	\$	60,00	\$	2.880,00									
	Resource: Wilmont Project Lead IT Systems Mary Pearson EMW	48	\$	-	\$	-									
	Resource: DroneTech Project Manager RLO included in 1.0	48	\$	-	\$	-									
	Resource: Wilmont Project Manager Philip Greenberg PAG	48	\$	-	\$	-									
1.0	Project Management and Reporting	2328											(2)(3)	\$	128.040,00
	Resource: DroneTech Project Manager RLO	2328	\$	55,00	\$	128.040,00									
	Resource: Wilmont Project Manager Philip Greenberg PAG	2328	\$	-	\$	-					\$	-			
1.1	Phase: Initiation and contract/plan definition				\$	-					\$	-		Ш,	
1.1.1	Develop Scope and Plan	176	<u>, </u>											\$	9.000,00
	Resource: DroneTech Project Manager RLO included in 1.0	176	,		\$	-								Ш.	
	Resource: DroneTech CEO Jordan Kempler JXK	20	\$	200,00	\$	4.000,00								Ш.	
	Resource: DroneTech Flight Operational Manager Gerald Hasper GPH	40	\$	65,00	\$	2.600,00								Ш.	
	Resource: DroneTech Project Lead IT Systems Eileen Seymour ERS	40	\$	60,00	\$	2.400,00									
	Resource: Wilmont Project Manager Philip Greenberg PAG	40	\$	-	\$	-								Ш.	
	Resource: Wilmont Project Lead IT Systems Mary Pearson EMW	40	\$	-	\$	-								Ш.	
	Resource: Wilmont Change Management Shirley Johnson SPJ	40	\$	-	\$	-									
1.1.2	Engage Stakeholders (project cost budgeted within 1.0)													\$	-
	Resource: see Project Manager RLO cost within 1.0														
	Resource: Wilmont Project Manager Philip Greenberg PAG														
1.1.3	Define contract	160	<u>4</u>											\$	10.400,00

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WBS ref	erence	Labor Hours		Labor (\$/hr)	Labo	or Costs	Expenses	Material Costs	Rental Equipment Costs	Total Costs	Notes	Tota elen	als by WBS nent
	Resource: Katie O'Ryan (KRO) Corporate Attorney	160	Ι¢	65,00	Ιċ	10.400.00	1			1	1		
	Resource: Wilmont Alan Swanson AES Attorney	160	_		Ś	10.400,00						+	
1.1.4	System design - define IT and engineering requirements	128	-		Ť					s -		Ś	10.700,00
	Resource: DroneTech Senior Business Analyst Stephanie Williams SMW	128	_	50,00	Ś	6.400,00				 		+*	2011 00,00
	Resource: DroneTech Drone Systems Engineer William Holt WKH	40		45,00	-	1.800,00						+	
	Resource: DroneTech Flight Operational Manager Gerald Hasper GPH	20	'	65,00	-	1.300,00						+	
	Resource: DroneTech Project Lead IT Systems Eileen Seymour ERS	20		60,00	-	1.200,00						\top	
	Resource: Wilmont Online Customer Process Linda Thornton LET	60	\$	-	\$	-						\top	
	Resource: Wilmont Project Lead IT Systems Mary Pearson EMW	20	\$	-	\$	-							
	Resource: Wilmont Project Lead Security William Scott WKS	20	\$	-	\$	-							
1.1.5	Define revised cost estimates, and risk management plan	80										\$	1.200,00
	Resource: DroneTech Project Manager RLO included in 1.0	80			\$	-							
	Resource: DroneTech Project Lead IT Systems Eileen Seymour ERS	20	\$	60,00	\$	1.200,00							
	Resource: Wilmont Project Manager Philip Greenberg PAG	40	\$	-	\$	-							
	Resource: Wilmont Project Lead IT Systems Mary Pearson EMW	20	\$	-	\$	-							
1.1.6	Approval of new revised budget and staffing	8			\$	-					(4)	\$	1.600,00
	Resource: DroneTech CEO Jordan Kempler JXK	8	\$	200,00	\$	1.600,00							
	Resource: Wilmont Operations Vice President George Cranston GWC	8	\$	-	\$	-							
	Resource: DroneTech Project Manager RLO included in 1.0	8	\$	-	\$	-							
	Resource: Wilmont Project Manager Philip Greenberg PAG	8	\$	-	\$	-							
1.2	Phase: Drones and operations adaptation activities												
1.2.1	Drone flight operations processes adaptation	80										\$	5.300,00
	- Pharmacy Manager Drone Delivery Operations Procedures	80											
	Resource: DroneTech Senior Business Analyst Stephanie Williams SMW	80	\$	50,00		4.000,00						\perp	
	Resource: DroneTech Flight Operational Manager Gerald Hasper GPH	20	\$	65,00	\$	1.300,00						\perp	
	Resource: Wilmont Online Customer Process Linda Thornton LET	20	\$	-	\$	-						\perp	
1.2.2	Engineering requirements for drone changes	80										\$	4.900,00

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WBS re	ference	Labor Hours	n Labor e (\$/hr)	Labo	r Costs	Expenses	Material Costs	Rental Equipment Costs	Total Costs	Notes	als by WBS ment
	- Drone Maintenance/Repair Procedures and Parts	80									
	Resource: DroneTech Drone Systems Engineer William Holt WKH	80	\$ 45,00	\$	3.600,00						
	Resource: DroneTech Flight Operational Manager Gerald Hasper GPH	20	\$ 65,00	\$	1.300,00						
1.2.3	Approval of engineering changes and associated costs	8								(4)	\$ 1.600,00
	Resource: DroneTech CEO Jordan Kempler JXK	8	\$ 200,00	\$	1.600,00						
	Resource: Wilmont Operations Vice President George Cranston GWC	8	\$ -	\$	-						
	Resource: DroneTech Project Manager RLO included in 1.0	8	\$ -	\$	-						
	Resource: Wilmont Project Manager Philip Greenberg PAG	8	\$ -	\$	-						
1.2.4	Engineering sub-project	480									\$ 27.650,00
	- Custom drone construction (40 hours for each of 4 drones)	160									
	Resource: DroneTech Drone Systems Engineer William Holt WKH	80	\$ 45,00	\$	3.600,00						
	Resource: DroneTech Drone Systems Technician Ashish Nehra AXN	160	\$ 35,00	\$	5.600,00						
	- Custom temperature/shock protection product carrier (160 hours)	160									
	Resource: DroneTech Drone Systems Engineer William Holt WKH	80	\$ 45,00	\$	3.600,00						
	Resource: DroneTech Drone Systems Technician Ashish Nehra AXN	160	\$ 35,00	\$	5.600,00						
	- Flight path engineering	120									
	Resource: DroneTech Drone Systems Engineer William Holt WKH	120	\$ 45,00	\$	5.400,00						
	- Testing drones	40									
	Resource: DroneTech Flight Operational Manager Gerald Hasper GPH	10	\$ 65,00	\$	650,00						
	Resource: DroneTech Drone Systems Engineer William Holt WKH	40	\$ 45,00	\$	1.800,00						
	Resource: DroneTech Drone Systems Technician Ashish Nehra AXN	40	\$ 35,00	\$	1.400,00						
1.2.5	Approval of tests of modified drones	8								(4)	\$ 1.600,00
	Resource: DroneTech CEO Jordan Kempler JXK		\$ 200,00	\$	1.600,00						
	Resource: Wilmont Operations Vice President George Cranston GWC	8	\$ -	\$	-						
	Resource: DroneTech Project Manager RLO included in 1.0	8		\$	-						
	Resource: Wilmont Project Manager Philip Greenberg PAG	8	\$ -	\$	-						
1.3	Phase: IT integration development										

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			All in	ı Labor				Material	Rental Equipment			Tot	als by WBS
WBS re	ference	Labor Hours	Rate	(\$/hr)	Labo	r Costs	Expenses	Costs	Costs	Total Costs	Notes	eler	ment
1.3.1	Prototype and pilot software system concept test with stakeholders	32	2									\$	3.680,00
	Resource: DroneTech Project Manager RLO included in 1.0	32	2		\$	-							
	Resource: DroneTech Senior Business Analyst Stephanie Williams SMW	32	2 \$	50,00	\$	1.600,00							
	Resource: DroneTech Flight Operational Manager Gerald Hasper GPH	32	2 \$	65,00	\$	2.080,00							
	Resource: Wilmont Project Manager Philip Greenberg PAG	32	2 \$		\$	-							
	Resource: Wilmont Online Customer Process Linda Thornton LET	32	2		\$	-							
	Resource: Wilmont Project Lead IT Systems Mary Pearson EMW	32	2		\$	-							
	Resource: Wilmont Project Lead Security William Scott WKS	32	2		\$	-							
1.3.2	Develop mobile app and all other software and dataflows integration	416	5									\$	30.320,00
	- Specialized Customer Order / Information Interface	150)										
	Resource: DroneTech Senior Business Analyst Stephanie Williams SMW	20	\$	50,00	\$	1.000,00							
	Resource: DroneTech Senior Programmer Shravani Sinha SXS	60	\$	50,00	\$	3.000,00							
	Resource: DroneTech Programmer Rohan Shah RXS	150	\$	45,00	\$	6.750,00							
	Resource: Wilmont Online Customer Process Linda Thornton LET	20	\$		\$	-							
	Resource: Wilmont Senior Testing Specialist Elizabeth Walton EMW	20	\$		\$	-							
	- Custom Management Reporting Interface	135	5										
	Resource: DroneTech Senior Business Analyst Stephanie Williams SMW	20	\$	50,00	\$	1.000,00							
	Resource: DroneTech Programmer Rohan Shah RXS	135	\$	45,00	\$	6.075,00							
	Resource: Wilmont Senior Testing Specialist Elizabeth Walton EMW	20	\$		\$	-							
	- Customization of Flight/Delivery Processing	75	5										
	Resource: DroneTech Senior Business Analyst Stephanie Williams SMW	20	\$	50,00	\$	1.000,00							
	Resource: DroneTech Programmer Rohan Shah RXS	75	\$	45,00	\$	3.375,00							
	Resource: Wilmont Senior Testing Specialist Elizabeth Walton EMW	20	\$	-	\$	-							
	Resource: Wilmont Online Customer Process Linda Thornton LET	20	\$	-	\$	-							
	- Testing	56	5			•							
	Resource: DroneTech Senior Business Analyst Stephanie Williams SMW	56	5 \$	50,00	\$	2.800,00							
	Resource: DroneTech Senior Programmer Shravani Sinha SXS	56	\$	50,00	\$	2.800,00							

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			A II ·					Marin dal	Rental				. I. I. MIDG
WBS re	ference	Labor Hours		n Labor e (\$/hr)	Lah	or Costs	Expenses	Material Costs	Equipment Costs	Total Costs	Notes		als by WBS ment
WDSTE	reference	Labor Flours	Nacc	. (२/।।।)	Lab	01 00313	Expenses	COSES	COSTS	Total Costs	Notes	Cici	TICHE
	Resource: DroneTech Programmer Rohan Shah RXS	56	\$	45,00	\$	2.520,00							
	Resource: Wilmont Online Customer Process Linda Thornton LET	56	\$	-	\$	-							
	Resource: Wilmont Senior Testing Specialist Elizabeth Walton EMW	56	\$	-	\$	-							
	Resource: Wilmont Testing Specialist Gerald Peritoni GEP	56	\$	-	\$	-							
1.3.3	Approval of software application for integration	8									(4)	\$	1.600,00
	Resource: DroneTech CEO Jordan Kempler JXK	8	\$	200,00	\$	1.600,00							
	Resource: Wilmont Operations Vice President George Cranston GWC	8	\$	-	\$	-							
	Resource: DroneTech Project Manager RLO included in 1.0	8			\$	-							
	Resource: Wilmont Project Manager Philip Greenberg PAG	8	\$	-	\$	-							
1.3.4	Integrate software and data with Wilmont and test	320										\$	39.600,00
	Resource: DroneTech Project Lead IT Systems Eileen Seymour ERS	20	\$	60,00	\$	1.200,00							
	Resource: DroneTech Senior Business Analyst Stephanie Williams SMW	160	\$	50,00	\$	8.000,00							
	Resource: DroneTech Senior Programmer Shravani Sinha SXS	320	\$	50,00	\$	16.000,00							
	Resource: DroneTech Programmer Rohan Shah RXS	320	\$	45,00	\$	14.400,00							
	Resource: Wilmont Project Lead IT Systems Mary Pearson EMW	20	\$	-	\$	-							
	Resource: Wilmont Online Customer Process Linda Thornton LET	120	\$	-	\$	-							
	Resource: Wilmont Senior Testing Specialist Elizabeth Walton EMW	120	\$	-	\$	-							
	Resource: Wilmont Testing Specialist Gerald Peritoni GEP	120	\$	-	\$	-							
1.3.5	Final IT systems integration approval	40										\$	1.600,00
	Resource: DroneTech CEO Jordan Kempler JXK	8	\$	200,00	\$	1.600,00							
	Resource: Wilmont Operations Vice President George Cranston GWC	8	\$	-	\$	-							
	Resource: DroneTech Project Manager RLO included in 1.0	8			\$	-							
	Resource: Wilmont Project Manager Philip Greenberg PAG	8	\$	-	\$	-							
1.4	Phase: integration software and drones												
1.4.1	Test integration of all the software components with hardware	120										\$	18.300,00
	Resource: DroneTech Project Lead IT Systems Eileen Seymour ERS	60	\$	60,00	\$	3.600,00							
	Resource: DroneTech Senior Business Analyst Stephanie Williams SMW	120	\$	50,00	\$	6.000,00							

Revision date: 2023-03-15 Revision Number: 2

Note: as the project start is January 5th 2024, but there is a potential of known-unknowns, both planning and contract negotiation will be carried out in late 2023 General Notes on Estimates:

- A. the project manager will also be involved as liaison and in all the approvals; hence, as will be allocated full-time, cost will be shown only in 1.0, elsewhere only time spent
- B. for the software development and integration activities, as well as engineering subproject, in this cost estimate further details have been added as per business case documentation
- C. the labor hours and costs whose cell is highlighted in gray are those from the business case documentation
- D. all the rates and costs are from the business case documentation provided

- (1) as per business case, the cost of Wilmont resources are not budgeted within the DroneTech cost estimate and budget; this line includes the costs to procure drones and spare parts
- (2) DroneTech project manager is considered as 1 FTE i.e 100% across all the project, from initiation to completion; hence, his cost is shown only under 1.0 Project Management
- (3) The project management time allocated covers also the period after the initial deliveries, where operations will take over; the Project Manager will be the only project team resource
- (4) All the approvals have one working week each within the Gantt, but the time allocation budgeted is 8 hours, as will be delivered as 1-day workshop, leaving then 4 days to file approvals
- (5) Progress meetings with stakeholders by the two project managers will be held at least once a month, and are inserted below considering start January 5th, last meeting end December

WBS ref	orence	Labor Hours		Labor	Labo	or Costs	Expenses	Material Costs	Rental Equipment Costs	Total Costs	Notes	Tota elem	ls by WBS
WDSTE	erence	Labor Hours	Nate	(3/111)	Labe	or Costs	Lxperises	COSIS	Costs	Total Costs	Notes	Cicii	ient
	Resource: DroneTech Senior Programmer Shravani Sinha SXS	120	\$	50,00	\$	6.000,00							
	Resource: DroneTech Drone Systems Engineer William Holt WKH	60	\$	45,00	\$	2.700,00							
	Resource: Wilmont Project Lead IT Systems Mary Pearson EMW	60	\$	-	\$	-							
	Resource: Wilmont Online Customer Process Linda Thornton LET	120	\$	-	\$	-							
	Resource: Wilmont Senior Testing Specialist Elizabeth Walton EMW	120	\$	-	\$	-							
	Resource: Wilmont Testing Specialist Gerald Peritoni GEP	120	\$	-	\$	-							
1.4.2	Approval of hardware and software integration results	8									(4)	\$	1.600,00
	Resource: DroneTech CEO Jordan Kempler JXK	8	\$	200,00	\$	1.600,00							
	Resource: Wilmont Operations Vice President George Cranston GWC	8	\$	-	\$	-							
	Resource: DroneTech Project Manager RLO included in 1.0	8			\$	-							
	Resource: Wilmont Project Manager Philip Greenberg PAG	8	\$	-	\$	-							
1.4.3	Develop operational manuals and training material, pilot training	240										\$	
	Resource: DroneTech Project Manager RLO (included in 1.0)	240											
	Resource: Wilmont Change Management Shirley Johnson SPJ	120	\$	-									
1.5	Phase: Start operations												
1.5.1	Approval final go/nogo	8									(4)	\$	1.600,00
	Resource: DroneTech CEO Jordan Kempler JXK	8	\$	200,00	\$	1.600,00							
	Resource: Wilmont Operations Vice President George Cranston GWC	8	\$	-	\$	-							
	Resource: DroneTech Project Manager RLO included in 1.0	8			\$	-							
	Resource: Wilmont Project Manager Philip Greenberg PAG	8	\$	-	\$	-							
1.5.2	Deliver training to stores and operational staff	120										\$	-
	Resource: DroneTech Project Manager RLO included in 1.0	120	\$										
	Resource: Wilmont Change Management Shirley Johnson SPJ	20	\$	-		•							·
	Resource: Wilmont Pharmacy Manager Store #35864	30	\$	-		•							·
	Resource: Wilmont Pharmacy Manager Store #32185	30	\$	-		•							·
	Resource: Wilmont Pharmacy Manager Store #38734	30	\$	-									
	Resource: Wilmont Pharmacy Manager Store #33001	30	\$	-		·							·

Revision date: 2023-03-15 Revision Number: 2

1.6.4

1.6.5

Note: as the project start is January 5th 2024, but there is a potential of known-unknowns, both planning and contract negotiation will be carried out in late 2023 General Notes on Estimates:

A. the project manager will also be involved as liaison and in all the approvals; hence, as will be allocated full-time, cost will be shown only in 1.0, elsewhere only time spent

B. for the software development and integration activities, as well as engineering subproject, in this cost estimate further details have been added as per business case documentation

C. the labor hours and costs whose cell is highlighted in gray are those from the business case documentation

D. all the rates and costs are from the business case documentation provided

Finalize review control accounts and report to management

Prepare and deliver final report to stakeholders

- (1) as per business case, the cost of Wilmont resources are not budgeted within the DroneTech cost estimate and budget; this line includes the costs to procure drones and spare parts
- (2) DroneTech project manager is considered as 1 FTE i.e 100% across all the project, from initiation to completion; hence, his cost is shown only under 1.0 Project Management
- (3) The project management time allocated covers also the period after the initial deliveries, where operations will take over; the Project Manager will be the only project team resource
- (4) All the approvals have one working week each within the Gantt, but the time allocation budgeted is 8 hours, as will be delivered as 1-day workshop, leaving then 4 days to file approvals
- (5) Progress meetings with stakeholders by the two project managers will be held at least once a month, and are inserted below considering start January 5th, last meeting end December

WBS re	ference	Labor Hours	All in Rate		Labo	r Costs	Expenses	Material Costs	Rental Equipment Costs	Total Costs	Notes		als by WBS nent
	Resource: Wilmont Retail Operations Assistant Jonathan Perry JSP	120	\$	-									
1.5.3	Communication/advertisement plan execution	160										\$	-
	Resource: Wilmont Change Management Shirley Johnson SPJ	160	\$	-									
1.5.4	Initiate deliveries by drone under monitoring from project team	80										\$	7.880,00
	Resource: DroneTech Flight Operational Manager Gerald Hasper GPH	32	\$	65,00	\$	2.080,00							
	Resource: DroneTech Project Manager RLO included in 1.0	80	\$	-	\$	-							
	Resource: DroneTech Senior Business Analyst Stephanie Williams SMW	40	\$	50,00	\$	2.000,00							
	Resource: DroneTech Senior Programmer Shravani Sinha SXS	40	\$	50,00	\$	2.000,00							
	Resource: DroneTech Drone Systems Engineer William Holt WKH	40	\$	45,00	\$	1.800,00							
	Resource: Wilmont Change Management Shirley Johnson SPJ	80	\$	-	\$	-							
	Resource: Wilmont Project Manager Philip Greenberg PAG	80	\$	-	\$	-							
1.6	Close down project - activities involving the project manager supporting the	operations tea	m, and	therefo	re cov	ered by the	e 1.0 Project f	Management bu	dget, detailed	here only to supp	ort operati	ons or	1
1.6.1	Monitor operations for one month	240	\$	-	\$	-				1	1		
1.6.2	Document lessons learned	240	\$	-	\$	-							
1.6.3	Disband project team and hand-over to operations	80	\$	-	\$	-							

Wilmont Pharmacy Drone Delivery Project - Budget - SECTION 3 - Gantt up to first delivery, cost baseline and spread next section Revision Rounder: 2023-03-15 Revision Number: 2 Critical path: extituties highlighted in red

Note: as the project start is January 5th 2024, but there is a potential of known-unknowns, both planning and contract negotiation will be carried out in late 2023

All the G	intt column information in weeks- project starts on week 1 of 2024-01-0	05				20	023																	2024																\neg
	Week				45 46	47 48	49 5	0 51	52	1 2	3 4	4 5	6	7 8	9 1	.0 11	12 13	14	15 16	17	18 1	19 20	21	22 23	24	25 26	27	28 2	9 30	31	32 33	34	35 36	37	38	39 40	41 4	42 43	44	45
Activity		planned start	planned end	working days						.												1.1			1. 1		ΙΙ.												1.	
	Monthly meetings with stakeholders								⇒ 1			J																			⊾							- I - 1		
1.1	Phase: Initiation and contract/plan definition				pre-project: pl	lanning, contra	act negotiatio	n	-	2024-0	01-05, projec	t start																								rone deliver			awed =	4
1.1.1	Develop Scope and Plan	2023-11-06	2023-11-30	19																											2024	-10-18 pro	posed ear	lier start o	of drone de	eliveries			-	
1.1.2	Engage Stakeholders	2023-11-06	2024-11-05	262																																				
1.1.3	Define contract	2023-12-02	2023-12-29	20																																				
1.1.4	System design - define IT and engineering requirements	2024-01-05	2024-01-26	16																																				
1.1.5	Define revised cost estimates, and risk management plan	2024-01-29	2024-02-09	10																																				
1.1.6	Approval of new revised budget and staffing	2024-02-12	2024-02-16	5																																				
																																				Т				
1.2	Phase: Drones and operations adaptation activities																		- 1		- 1			- 1															(
1.2.1	Drone flight operations processes adaptation	2024-02-19	2024-03-01	10																																		\top		
1.2.2	Engineering requirements for drone changes	2024-03-04	2024-03-15	10														LT																					LI.	
1.2.3	Approval of engineering changes and associated costs	2024-03-18	2024-03-22	5																																		\top		П
1.2.4	Engineering sub-project	2024-03-25	2024-06-14	60																																		T = T		П
1.2.5	Approval of tests of modified drones	2024-06-17	2024-06-21	5																																		T		\neg
																					\neg																			\neg
1.3	Phase: IT integration development	1																																					(- 1
1.3.1	Prototype and pilot test with stakeholders proposed integration on	2024-02-18	2024-02-22																												\Box									П
1.3.1	mock-up, including data	2024-02-18	2024-02-22	4																																			(- 1
1.3.2	Develop mobile app and all other software and dataflows integration	2024-02-29	2024-05-10	52																																				
1.3.3	Approval of software application for integration	2024-05-13	2024-05-17	5																											\Box					\Box		\Box	-	\neg
1.3.4	Integrate software and data with Wilmont and test	2024-05-20	2024-07-12	40																											\Box							\Box	-	\neg
1.3.5	Final IT systems integration approval	2024-07-15	2024-07-19	5																											\neg							\Box	-	\neg
																															\neg							\Box	$\overline{}$	\neg
1.4	Phase: integration software and drones																																							
1.4.1	Test integration of all the software components with hardware	2024-07-22	2024-08-09	15																																				
1.4.2	Approval of hardware and software integration results	2024-08-12	2024-08-16	5																																T		\Box		
1.4.3	Develop operational manuals and training material, pilot training	2024-07-22	2024-08-30	30																																				
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1.5	Phase: Start operations																																					\perp		
1.5.1	Approval final go/nogo	2024-09-02	2024-09-06	5																														-				\perp		
1.5.2	Deliver training to stores and operational staff	2024-09-09	2024-09-27	15																																				
1.5.3	Communication/advertisement plan execution	2024-09-09	2024-10-04	20																																				
1.5.4	Initiate deliveries by drone	2024-10-07	2024-10-18	10																																				
			India	cates Critical Path Ite	ms																																			

