

Project Scope Statement

Project Name: Wilmont's Pharmacy Drone Case

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Project Purpose: The purpose of the project is to test with four Wilmont shop prescriptions delivery by flying drones, with DroneTech as the provider of the actual drones, piloting, and delivery. The successful completion of this project will allow a potential further extension to all the 8000 stores.

Project Scope:

The project will test the approach with four stores in the San Francisco area, to demonstrate the technology and integrate the information systems of Wilmont and DroneTech looking for a potential extension to all of Wilmont's 8000 stores.

The first drone prescription delivery is to be done before November 30th

DroneTech's drones used in the project will have to be customized with Wilmont's logo. DroneTech's mobile app and software too should be customized to use Wilmont's corporate identity, so that customers will see it all as part of Wilmont's service and systems. Training and support will have to be delivered by DroneTech to the four participating pharmacies. Drones will have to be able to use the temperature-controlled product bagging system designed by Wilmont.

Project Goals:

- A. The project should integrate DroneTech and Wilmont IT Systems showing Wilmont logo:
 1. Customers will be able to use the integrated systems presented by Wilmont on its website to place prescription delivery orders
 2. Wilmont system will process orders and provisioning the material needed for the prescriptions, support the packaging, and provide to DroneTech system the delivery schedule
 3. The prescription details will stay within Wilmont side of the IT integrated systems, to ensure confidentiality of sensitive data (prescriptions), and DroneTech will receive only the scheduling information concerning destination customer, destination address, reference number of the package to be delivered, scheduled delivery date and time
 4. DroneTech operational system should provide back to Wilmont systems information about the successful and unsuccessful deliveries, and then remove the associated delivery information
- B. DroneTech drones must be customized to be able to use Wilmont temperature-controlled packing system, and have the Wilmont logo
- C. The project must provide a dashboard to allow Wilmont personnel to schedule, reschedule, track deliveries; the dashboard will reside within Wilmont IT systems
- D. The integration software delivered by the project must allow real-time tracking of drones
- E. Drones should be able to operated a full working day before battery packs have to be replaced or switched

Project Deliverables:

- Contract and payment plan
- Drone adaptation to integrate temperature-controlled product bagging system:
- Drone flight operations amendments
- IT systems integration, as per project goals above (i.e. both operational for the delivery and administrative/tracking dashboard/management reporting)

Project Deliverables Acceptance Criteria:

Contract and payment plan: Formal contract defined covering services, cost of services, payment plan

Drone adaptation to integrate temperature-controlled product bagging system: Successful transportation of temperature-controlled product bagging system

Drone flight operations amendment: Drone delivery for Wilmont successfully integrated with DroneTech operations

IT systems integration: Wilmont data should be processed securely and compartmentalized, so that Wilmont data is accessible only to Wilmont. All the applications visible to the customers should use Wilmont's corporate identity (logo, language, etc); the system integration will be considered successful if all the process steps and data flows listed within the goals section above will be working

Project Constraints:

Budget should be kept below USD750,000.

The first part of the project should be the contract definition

Training will need to be delivered to the four shops

Both IT systems and drones will have to show Wilmont Logo when used in Wilmont operations or by Wilmont customers

Project Assumptions:

Team participants will be full-time (i.e. each member is 1.0 FTE).

The basis for the all the activities will be existing DroneTech operational processes

This project will develop integration IT components, but any new system using the information provided by the integration components will have to be developed by Wilmont, for data security and confidentiality reasons

Key Milestones:

PROJECT KICK-OFF January 5th

Start January 5th Milestone: contract agreement and project plan by January 31st

Start February 1st Milestone: IT and engineering requirements approved by February 28th

Start March 1st Milestone: approval of new revised budget and staffing by March 15th

Start March 16th Milestone: drone flight operations adaptation and engineering sub-project for temperature-controlled bags completed by June 30th

Start March 16th Milestone: IT development by June 30th

Start July 1st IT and engineering integration testing and revision by July 31st

Start August 1st Milestone: full system testing and revision by August 31st

Start September 1st Milestone shops staff training and testing by September 30th

Start October 1st Milestone: final user acceptance testing by October 15th

Start October 16th system preparation for Milestone: system operational by October 31st

Milestone First operational flight with delivery to a customer by November 5th

Start November 6th development lessons learned and documentation, Milestone by November 15th

PROJECT CLOSED by November 15th

Project Exclusions: FROM SCOPE EXCLUSIONS

Will exclude customers in apartment buildings due to delivery issues.

The IT systems developed by the project will contain only tracking and delivery information, but will not store information on the DroneTech side

Any sensitive information about customers and deliveries (e.g. the content of each delivery, history of deliveries to the customer) will be stored and processed by Wilmont within Wilmont systems, to ensure data confidentiality and privacy

References: LIST REFERENCES

Document:

Contract and payment plan:	DroneTech standard contract and existing operational costs
IT systems integration	TOGAF architectural documents for DroneTech systems and for concerned Wilmont systems
Drone adaptation to integrate temperature-controlled product bagging system	DroneTech drone technical and operational specifications and limitations; Wilmont specification of their temperature-controlled product bagging system
Drone flight operations amendment	DroneTech existing operational process descriptions

Reference Subject Matter Experts:

- DroneTech Flight Operations Manager Gerald Hasper
- DroneTech William Holt Drone System Engineer
- Wilmont William Scott Project Lead Security Team