


*Any data highlighted in red below is data that has been added or updated in the last release of the project

D	Project Name MIDDLETOWN G-R PROJECT DRAGONFLY API, PROC DEV, SOLID DO:	PEC Activity Diagram
Industry Code 13 Pharmaceutical & Biotech	Project Type Grassroot	
TIV (USD) 510,000,000		
SIC Code 2836 Biological Products, Except Diagnostic Substances	Sector Ingredients (APIs, Bulk, Excipients, etc.)	
SIC Product 2836*0032 Active Pharmaceutical Ingredients (APIs)		
Status Active	Last Update 23-Feb-2022	Initial Release 25-Jun-2021
Environmental Air (A) Land (L) Water (W)	Construction Labor Preference Union, Non-Unio	Operations Labor Preference Union, Non-Unio
Square Footage	New Sq. Ft. 600,000 Sq. Ft.	

Plant Owner WUXI STA, A WuXi AppTec Company	Plant Parent WuXi AppTec Group
Plant Name Middletown API, Process Dev, Solid Dosage, Sterile Pro CMO	Unit Name
Plant ID 3466120	
Location 1091 Industrial Drive	Phone +1 857 413 2800
City/State Middletown, Delaware 19709 U.S.A.	Zone/County DE*05, New Castle

Project Responsibility	Project Company	Project Contact
Project Executive	Shanghai STA Pharmaceutical Co. Ltd 9 Yuegong Road Shanghai, Jiangsu 201507 China	Dean Childers Manufacturing Site Head [Tel.] +1 857 413 2800 [E-Mail] dean.childers@wuxiapptec.com ; [LinkedIn] dean-childers-18485ab
Project Manager	Shanghai STA Pharmaceutical Co. Ltd 6114 Nancy Ridge Drive San Diego, California 92121 U.S.A.	Jeffrey Sommermann Engineering Manager [Tel.] +1 857 413 2800 / [Alt.] +1 302 545 4130 [E-Mail] jeffrey.sommermann@wuxiapptec.com ; [LinkedIn] jeffrey-sommermann-569666140
G/C	Bancroft Construction Incorporated 1300 N. Grant Avenue, Suite 101 Wilmington, Delaware 19806 U.S.A.	Jane Best-Weick Estimating Manager [Tel.] +1 302 655 3434 / [Alt.] +1 302 256 7084 (Mobile) [E-Mail] jane@bancroftusa.com ; [LinkedIn] jane-best-weick-a9460012

PEC@ Timing E2	PEC@ Activity Preliminary Engineering
Project Probability High (81-99%)	

Scope STA Pharmaceutical Co. Ltd. a WuXi AppTec company with Bancroft Construction Incorporated performs Preliminary Engineering for Grassroot Project Dragonfly API Intermediates, Process Development, Solid Dosage, Sterile Product CMO Plant Phase I. DETAILS: Within multiple phases, on three parcels, as phase I, construct approximately 600,000 sqft campus on approximately 1.7 million sqft parcel and equip with space for testing laboratories; manufacture of active pharmaceutical ingredients (APIs); and manufacture and packaging of solid dosage pharmaceutical products and sterile products for drug substance and drug product, including oral and injectable dosage forms (Project Dragonfly). REQUIRES: Building(s), Building Automation Systems (BAS), Temperature and Humidity Controls, Air/Gas Vacuum System, Fire and Security Systems, Air Handling Units, Voice/Data/Wireless System, Mixing and Blending Equipment, High Purity Piping, Lab-Scale Centrifuges, Lab-Scale Autoclaves, Cleanroom (ISO 8/Class 100,000), Single-Use Bioreactors, Condensers, Refrigeration, Analytical Equipment, Compressors (Air), Controls (PLC, DCS), NGF Boilers, Filtration Equipment, Evaporation Equipment, Lyophilization Equipment, Solvent Tanks, Chromatography Columns, Clean Steam Generators, Packaging Equipment, Mixing and Blending Equipment, Drying Equipment, Uninterrupted Power Supply, Electrical Distribution, Chillers, Industrial Gas Supply and Storage, Emergency Generators, Water Purification System. ENVIRONMENTAL: (A) HEPA Filtration System; (L) Containment; (W) Pre-Wastewater Treatment System, Stormwater Drainage System.

Schedule STA Pharmaceutical Co. Ltd. a WuXi AppTec company with Bancroft Construction Incorporated continues with Preliminary Engineering through 2Q22 (Apr). Upon final approvals, STA Pharmaceutical with Project Team releases any remaining Equipment RFQs plus Subcontractor Bid Documents 1Q22 (Mar)-2Q23. Construction Kick-Off 2Q22 (Apr). Project Completion 4Q24 (Dec). **NOTE: At present, Dean Childers can only be reached via email. **

Details Dec-2021 Project in Preliminary Engineering				
Project Milestones	AFE 202110	Sub Bid Doc 202203	Completion 31-Dec-2024	Precision YEAR
	Equip RFQ 202203	Kick-Off 202204	Kickoff Slippage -2 Months	Duration 33 Months
Engineering				
Contracting Civil	Electrical	Environmental HVAC	Instrumentation Mechanical Structural General	[G/C]
Project Key Needs Civil/Site		Control Room	Process Equip Heat Transfer	
	Instrumentation	Electrical	Mechanical HVAC	Storage
	Piping/Fittings	Insulation/Coatings	Environmental Utilities	Valves
	Communications		Batch Process	Packaging
	Material Handling			
Matter Phase	Liquid		Solid	

Energy	Boiler	Generator
Buy		
Sell		

Plant Standard Contacts			
Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID
Plant Manager	Dean Childers	[Phn.] +1 857 413 2800	Dec-2021
Manufacturing Site Head	dean.childers@wuxiapptec.com	Yes	dean-childers-18485ab
Engineering Manager	Jeffrey Sommermann	[Phn.] +1 857 413 2800 / [Alt.] +1 302 545 4130	Dec-2021
	jeffrey.sommermann@wuxiapptec.com	No	jeffrey-sommermann-569666140

Historical Reports			
Project Name	Report Date	TIV	Phase
MIDDLETOWN GRASSROOT API INTERMEDIATES/PROCESS DEVELOPMENT CMO PLANT	25-Jun-2021	1,000,000,000 USD	Site Study (P1 - C
MIDDLETOWN G-R PROJECT DRAGONFLY API INTERMEDIATES/PROCESS DEVELOPMENT CMO PLANT	17-Aug-2021	510,000,000 USD	Owner Review of
MIDDLETOWN G-R PROJECT DRAGONFLY API, PROC DEV, SOLID DOS, STERILE PRO CMO PLANT	27-Aug-2021	510,000,000 USD	Owner Review of
MIDDLETOWN G-R PROJECT DRAGONFLY API, PROC DEV, SOLID DOS, STERILE PRO CMO PLANT	06-Dec-2021	510,000,000 USD	Detailed Enginee
MIDDLETOWN G-R PROJECT DRAGONFLY API, PROC DEV, SOLID DOS, STERILE PRO CMO PLANT	06-Dec-2021	510,000,000 USD	Preliminary Engin
MIDDLETOWN G-R PROJECT DRAGONFLY API, PROC DEV, SOLID DOS, STERILE PRO CMO PLANT	14-Feb-2022	510,000,000 USD	Preliminary Engin
MIDDLETOWN G-R PROJECT DRAGONFLY API, PROC DEV, SOLID DOS, STERILE PRO CMO PLANT	23-Feb-2022	510,000,000 USD	Preliminary Engin
MIDDLETOWN G-R PROJECT DRAGONFLY API, PROC DEV, SOLID DOS, STERILE PRO CMO PLANT	23-Feb-2022	510,000,000 USD	Preliminary Engin

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