

UK

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

Capital PEC Report

Project ID: 300709338

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Project Name BILLINGHAM CONTINUOUS MANUFACTURING PLANT EXPANSION

PEC Activity Diagram

Industry Code 13 Pharmaceutical & Biotech

Project Type Plant Expansion

TIV (USD) 228,700,000

TIV (GBP) 175,000,000

SIC Code 2836 Biological Products, Except Diagnostic Substances

Sector Final Formulation (Oral, Solid, Parenteral, Topical, etc.)



SIC Product 2836*0035 Cellular and Gene Therapy Products

Status Active

Last Update 15-Apr-2022

Initial Release 22-Jul-2021

Environmental Air (A) Land (L) Water (W)

Construction Labor Preference Unconfirmed

Operations Labor Preference Unconfirmed

Square Footage Existing Sq. Ft. 297,500 Sq. Ft.

Plant Owner FUJIFILM Diosynth Biotechnologies

Plant Parent FUJIFILM Holdings Corporation

Plant Name Billingham CDMO Antibodies, Proteins, Vaccines, Gene Therapy

Unit Name

Plant ID 1058110

Location Belasis Avenue

Phone +44 164 236 3511

City/State Billingham, England TS23 1LH United Kingdom

Zone/County UK*01, Cleveland

Project Responsibility Project Company

Project Contact

Project Manager FUJIFILM Diosynth Biotechnologies
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PEC@ Timing P2

PEC@ Activity Permitting

Project Probability Medium (70-80%)

Scope FUJIFILM Diosynth Biotechnologies with PM Group performs Permitting for CDMO Antibodies, Proteins, Vaccines, Gene Therapy Continuous Manufacturing Expansion. DETAILS: As part of a £400,000,000 investment plan, at 297,500 sqft plant; perform expansion to increase the cGMP capacity for continuous manufacturing. REQUIRES: MaruX GMP Continuous Manufacturing Platform, Single Use Perfusion Bioreactor, Downstream Processing Units, Chromatography Columns, Chromatography Data System (CDS), Cleanrooms (Class 10,000/ISO 7), Ultra and Dia-Filtration (UFDF), Single Pass Tangential Flow (SP-TFF), Virus Inactivation System, Buffer Preparation Vessels, Buffer Storage System, Steam Generated Water for Injection (USP), Sterile System, Aseptic Filling Equipment, Bioreactors (Primarily Single-Use Technology), Analytical Equipment, Analyzer, MVP Single-Use System, Control Chromatography Software, Centrifuges, Micro-Filtration Skids, Controls (PLC), Water Purification System. ENVIRONMENTAL: (A) HEPA Filtration System; (L) Containment, Balance Tank, Anoxic Tank, Aeration Tank, Retention Pond; (W) Pre-Wastewater Treatment Systems.

Schedule FUJIFILM Diosynth Biotechnologies with PM Group continues with Permitting through 1Q23 (Jan) and with project team will release RFQs for Equipment and Consumables and Specialty Subcontractor Bid Documents 2Q23 (Apr). Project Kick-Off 3Q23 (Aug). Project Completion 3Q24 (Jul).

Project Milestones	AFE 202301	Sub Bid Doc 202304	Completion 29-Jul-2024	Precision QUARTER
	Equip RFQ 202304	Kick-Off 202308	Kickoff Slippage -1 Months	Duration 12 Months
Engineering Civil	Electrical	Environmental HVAC	Instrumentation	Mechanical Structural Process
Contracting Civil	Electrical	Environmental HVAC	Instrumentation	Mechanical Structural General [G/C]
Project Key Needs	Structural	Control Room	Process Equip	Heat Transfer
	Instrumentation	Electrical	Mechanical	HVAC
	Piping/Fittings	Insulation/Coatings	Utilities	Valves
	Communications	Material Handling	Continuous Process	Pumps
Matter Phase	Liquid	Plasma	Generator	
Energy				

Buy
Sell

		Plant Standard Contacts	
Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID
Plant Manager	Nick Martin nick.martin@fujifilm.com	[Phn.] +44 164 236 3511 Yes	Jan-2022 nick-martin-57809730
Maintenance Manager	Simon Oliver simon.oliver@fujifilm.com	[Phn.] +44 164 236 3511 Yes	Jan-2022 simon-oliver-6b823286
Purchasing Manager	Robert Fenny robert.fenny@fujifilm.com	[Phn.] +44 164 236 3511 Yes	Jan-2022 robert-fenny-21940998
Purchasing Project Manager			
Engineering Manager	Ian Teggert ian.teggert@fujifilm.com	[Phn.] +44 164 236 3511 Yes	Jan-2022 ian-teggert-95992a8
Operations Engineering Manager			
Reliability Manager	Mark Stilborn mark.stilborn@fujifilm.com	[Phn.] +44 164 236 3511 Yes	Jan-2022 mark-stilborn-ceng-51502a8
Site Responsible Process Engineer			
Quality Assurance Manager	Helen Bickley helen.bickley@fujifilm.com	[Phn.] +44 164 236 3511 Yes	Jan-2022 helen-bickley-84a00653
VP of Quality Operations			
Mechanical Engineering Manager	Malcolm Johnston malcolm.johnston@fujifilm.com	[Phn.] +44 164 236 3511 Yes	Jan-2022 malcolm-johnston-25a6421aa
Technical Project Leader			
Validation Manager	Peter Large peter.large@fujifilm.com	[Phn.] +44 164 236 3511 Yes	Jan-2022 peter-large-b53ba7131
Strategic Project Manager			

Historical Reports			
Project Name	Report Date	TIV	Phase
BILLINGHAM CONTINUOUS MANUFACTURING PLANT EXPANSION	22-Jul-2021	212,500,000 USD	Project Scope (P1 - 03)
BILLINGHAM CONTINUOUS MANUFACTURING PLANT EXPANSION	17-Dec-2021	212,500,000 USD	Project Scope (P1 - 03)
BILLINGHAM CONTINUOUS MANUFACTURING PLANT EXPANSION	17-Dec-2021	227,900,000 USD	Permitting (P2 - 18)
BILLINGHAM CONTINUOUS MANUFACTURING PLANT EXPANSION	15-Apr-2022	228,700,000 USD	Permitting (P2 - 18)

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Capital PEC Report

Project ID: 300709330

UK

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Project Name BILLINGHAM GENE THERAPY AND CELL CULTURE EXPANSION

PEC Activity Diagram

Industry Code 13 Pharmaceutical & Biotech

Project Type Plant Expansion

TIV (USD) 228,700,000

TIV (GBP) 175,000,000

SIC Code 2836 Biological Products, Except Diagnostic Substances

Sector Final Formulation (Oral, Solid, Parenteral, Topical, etc.)



SIC Product 2836*0035 Cellular and Gene Therapy Products

Status Active

Last Update 15-Apr-2022

Initial Release 22-Jul-2021

Environmental Air (A) Land (L) Water (W)

Construction Labor Preference Unconfirmed

Operations Labor Preference Unconfirmed

Square Footage Existing Sq. Ft. 297,500 Sq. Ft.

Plant Owner FUJIFILM Diosynth Biotechnologies

Plant Parent FUJIFILM Holdings Corporation

Plant Name Billingham CDMO Antibodies, Proteins, Vaccines, Gene Therapy

Unit Name

Plant ID 1058110

Location Belasis Avenue

Phone +44 164 236 3511

City/State Billingham, England TS23 1LH United Kingdom

Zone/County UK*01, Cleveland

Project Responsibility Project Company

Project Manager FUJIFILM Diosynth Biotechnologies
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Project Contact

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United Kingdom

Paul Johnston
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PEC@ Timing P2

PEC@ Activity Permitting

Project Probability Medium (70-80%)

Scope FUJIFILM Diosynth Biotechnologies with PM Group performs Permitting for CDMO Antibodies, Proteins, Vaccines, Gene Therapy and Cell Culture Expansion: DETAILS: As part of a £400,000,000 investment plan, at 297,500 sqft plant; perform expansion to gene therapy production by 10 fold and triple its cell culture production. **REQUIRES:** Building, Controls (PLC/DCS), Temperature & Humidity Controls, Air/Gas Vacuum System, Scales, Data Recorders, HVAC System, Boiler, Conveyors (Belt), (ISO 7-8, Class 10,000 - 100,000), 4x2000 L Single Use Bioreactors, 2x500 L Single Use Bioreactors, Autoclaves, Centrifuges; Valves, Motors, Pumps, Fire and Security System, Stainless Steel Vessels, Reactor Vessels, Stainless Steel Hygienic Piping, Emergency Generators, Voice/Data/Wireless Systems, Laboratory Stations, Analytical Equipment, Material Handling Equipment, Chilled Water Supply, Heat Exchangers, Electrical Distribution, Water Purification System, Industrial Gas Supply and Storage. **ENVIRONMENTAL:** (A) HEPA Filtration System; (L) Containment, Balance Tank, Anoxic Tank, Aeration Tank, Retention Pond; (W) Pre-Wastewater Treatment Systems.

Schedule FUJIFILM Diosynth Biotechnologies with PM Group continues with Permitting through 4Q22 (Dec) and with project team will release RFQs for Equipment and Consumables and Specialty Subcontractor Bid Documents 2Q23 (Apr). Project Kick-Off 3Q23 (Aug). Project Completion 3Q24 (Sep).

Project Milestones	AFE 202212	Sub Bid Doc 202304	Completion 28-Sep-2024		Precision	QUARTER
	Equip RFQ 202304	Kick-Off 202308	Kickoff Slippage -4 Months		Duration	14 Months
Engineering Civil	Electrical	Environmental HVAC	Instrumentation Mechanical	Structural	Process	
Contracting Civil	Electrical	Environmental HVAC	Instrumentation Mechanical	Structural	General [G/C]	
Project Key Needs	Civil/Site	Structural	Architectural Control Room	Process Equip	Heat Transfer	
	Instrumentation	Electrical	Mechanical HVAC			
	Piping/Fittings		Environmental Utilities	Valves	Pumps	
	Communications		Batch Process			
	Material Handling					
Matter Phase		Liquid	Plasma			
Energy				Generator		

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Mechanical Engineering Manager	Malcolm Johnston malcolm.johnston@fujifilm.com	[Phn.] +44 164 236 3511 Yes	Jan-2022 malcolm-johnston-25a6421aa
Technical Project Leader	Malcolm Johnston malcolm.johnston@fujifilm.com	[Phn.] +44 164 236 3511 Yes	Jan-2022 malcolm-johnston-25a6421aa
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Strategic Project Manager	Peter Large peter.large@fujifilm.com	[Phn.] +44 164 236 3511 Yes	Jan-2022 peter-large-b53ba7131

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