Simplifying the Complex
MULTI-BILLION DOLLAR GREENFIELD CONSTRUCTION
AND THE ROLE OF NETPOINT

PRESENTED BY:
Dan Molnar & Tim Mather
MEET THE PRESENTER

Dan Molnar, PMP
Project Services Leader
Shire
daniel.molnar@baxalta.com

Dan has over 25 years in Capital Project and Program Management in the pharmaceutical industry. He has experience in phases of pharmaceutical capital management from concept development through licensure. He has directly supported projects within the US, Puerto Rico, and Ireland. He has also developed and maintain global portfolio management systems. In many of his roles he has deployed innovative and effective tools to facilitate communication throughout the organization. Currently, he is the Project Services Leader for a $1B+ biopharma greenfield program being constructed in Social Circle, Georgia.
Tim Mather is the CTO of PMA Technologies LLC and in this role provides leadership in the design and development team as well as the intellectual property efforts surrounding NetPoint. Tim is a PMP with an extensive background in project management, software development, and software marketing. Tim holds a Bachelor’s degree from Michigan State University, and pursued postgraduate study of Project Management at the University of Chicago. Tim blogs about planning and scheduling at visualizetheplan.com.
The Project

$1+ Billion Greenfield Plasma Protein Manufacturing Facility in Covington, GA

160 acre property comprised of 9 buildings arranged in a spine/node configuration encompassing over 1.2 million square feet of building area.
Lifesaving Mission

To expand global supply of life saving plasma-derived therapies, including Gammagard Liquid (Immune Globulin intravenous) and Flexbumin (human serum albumin)
COMPLETED FACILITY
Three separate buildings are dedicated to protein manufacturing, including upstream large scale human plasma fractionation, albumin purification to finished bulk, and immunoglobulin purification by chromatography with aseptic filling and packaging to final container.

Support facilities include a Central Utilities Building, warehouse with ambient storage, +5C final product storage, and -25C plasma freezer, wastewater pretreatment plant, and laboratory/administrative buildings.
COMPLEX MEP
DAN’S ROLE IN THE PROJECT
Project Services Leader

01 **Member of Program Leadership Team**
Custodian of Governance Contract/Program Scope

02 **Schedule Management**
Team of 8 Schedulers maintaining 12 integrated schedules (at peak) maintain via P6. Intensive start-up planning and tracking of 6 startup teams. Program level reporting via NetPoint.

03 **Cost Management**
Team of 5 cost engineers maintaining 10 sub-projects. Monthly cost reporting and spend forecasting. Executive report-out.

04 **Risk Management**
Comprehensive Risk Management program maintained within start-up teams. Periodic, Independent, Quantitative Analyses (via OPRA)

05 **Change Management**
Custodian of Change Management processes.
NetPoint was a valuable supplement to existing project controls processes and tools. There is “value-add” use for NetPoint in almost all aspects of project management including:

- Interactive planning for schedule development
- Resource and portfolio planning
- Program summarization and interface management
- Quantitative risk analysis
Throughout the course of the program (as with a large program) there was a need to reassess or address scheduling conflicts.
Prior to Utilization of NetPoint

Prior to utilization of NetPoint, Leadership level schedule reports were bar graphs with no insight to interaction between projects.

Post-introduction

• Interactions were clear
• A critical path evident
• Informed decision-making made much easier
PROGRAM SUMMARIZATION
LEVEL 2 – PROGRAM EXAMPLE
Facility Start-up

Facility start-up presented several challenges regarding resource prioritization:
- Readiness vs. Process Optimization
- Site Initiatives vs. Corporate Initiatives

Assess Resource Impacts

NetPoint was used to assess resource impacts and to facilitate timing decisions.
RESOURCE / PORTFOLIO PLANNING
Risk Analyses brought “in-house” at the beginning of CQV

NetPoint served as base schedule for several of the analyses.
- Activity IDs tied to P6 and Risk Register facilitated impact analyses
SCHEDULE RISK ANALYSIS – METHOD DESCRIPTION

Risk Registers

Primavera Risk Analysis

NetPoint (Single License SCR)
KEY IMPACTS OF NETPOINT

01 Simplifying the Complex
Consolidation of logic-driven data at a level easily understood at the executive level

02 Intuitive Analysis (even to scheduling novices)
Visual float analysis helped team see impacts of schedule slippage and workarounds

03 Easily Accessible via BYOD
Questions on current status address quickly and accurately

04 Facilitated Risk Analyses
Upload to P6 and integration into OPRA simplify risk mapping (especially during Qualification/Validation phases)

05 Expedited resource requirements assessments
Questions?

Thank you!
Tim Mather, PMP
Chief Technology Officer
PMA Technologies
tmather@pmaconsultants.com

Dan Molnar, PMP
Project Services Leader
Shire
daniel.molnar@baxalta.com