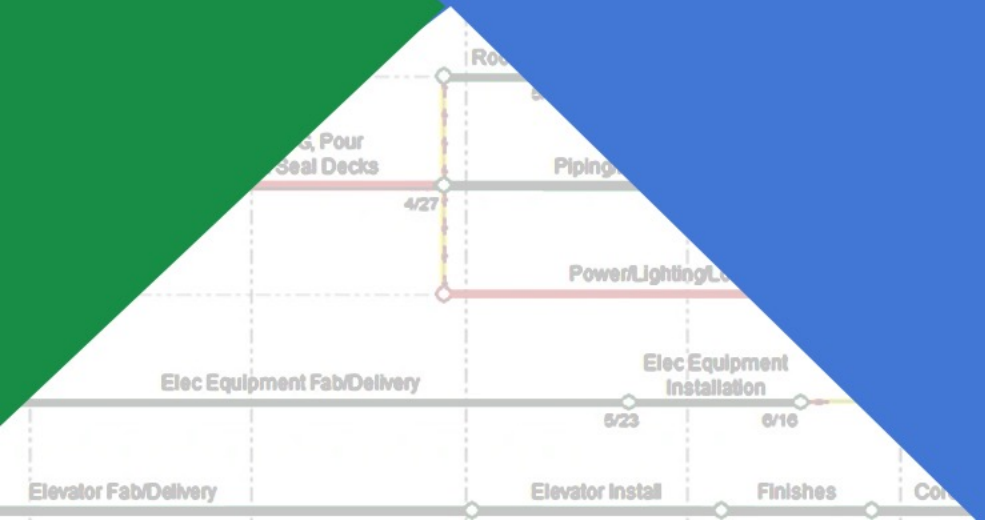


NetPoint + GPM CONFERENCE

May 12 & 13, 2022

Construction Project Controls Techniques Using NetPoint & P6

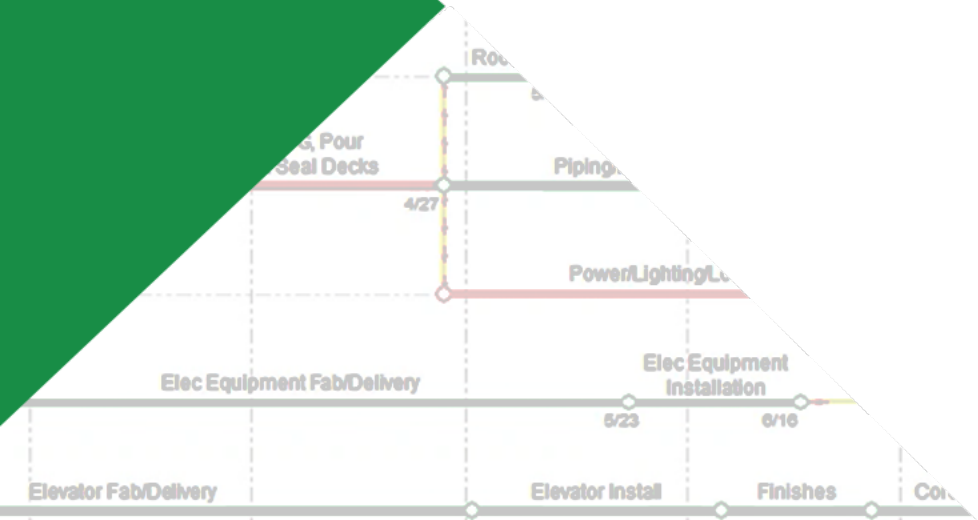
Presented by:
John Zann





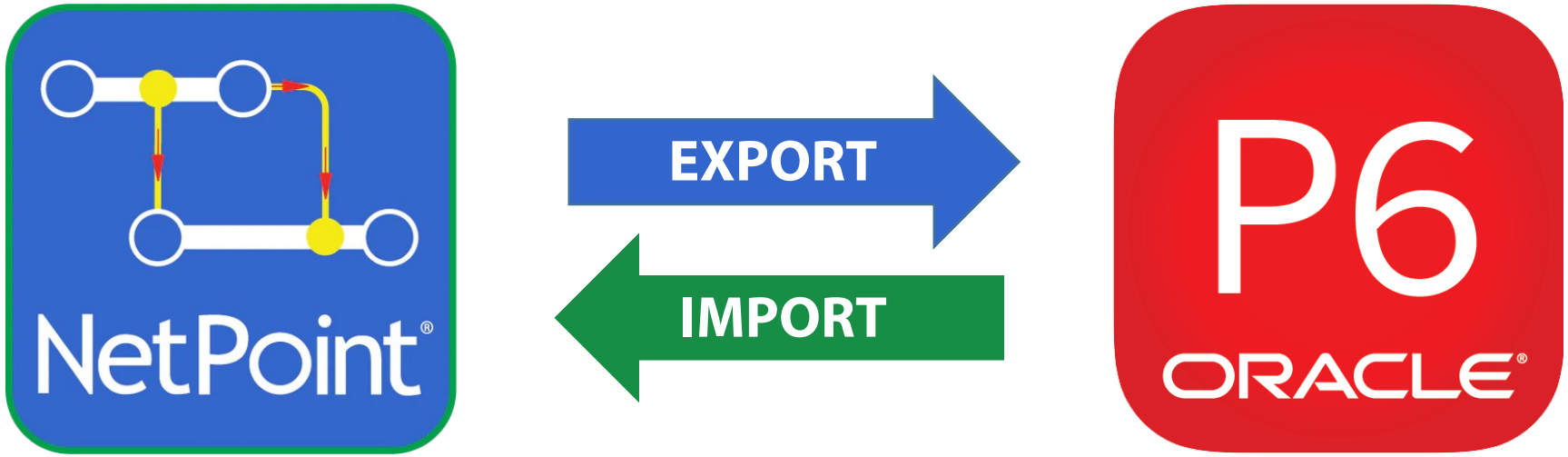
Overview

- Why import/export?
- Import/export capabilities of NPT
- Export to P6 overview
- Import to NPT overview
- Demo–Export to P6
- Demo–Import to NPT
- Project Summit



What do we mean by Import/Export?

For our purposes, **import means to NetPoint** and **export means from NetPoint**





Why Import/Export?

Import from **P6** to **NetPoint** for summarization and reporting

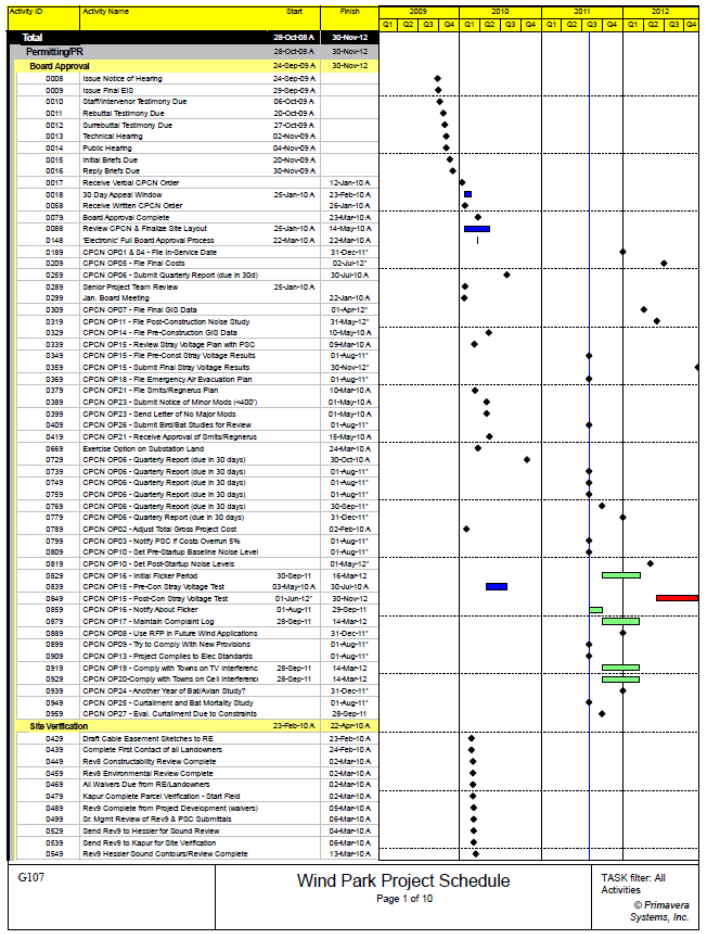
Build a level 0/1/2 schedule in **NetPoint** and export to **P6** to develop a level 3/4 schedule

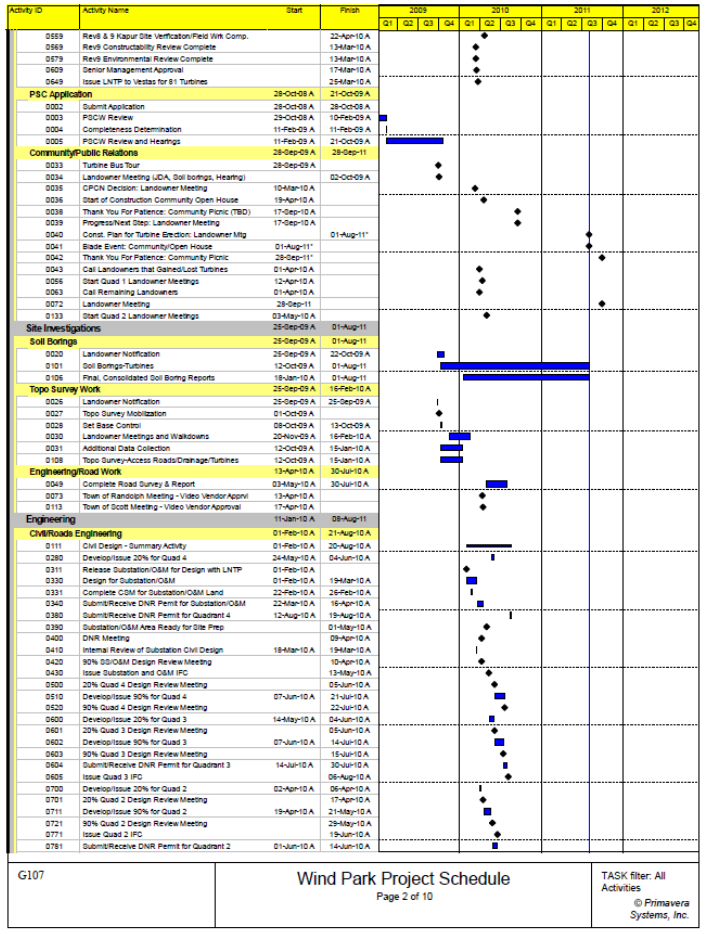
Import from **P6** to **NetPoint** to perform a what-if analysis

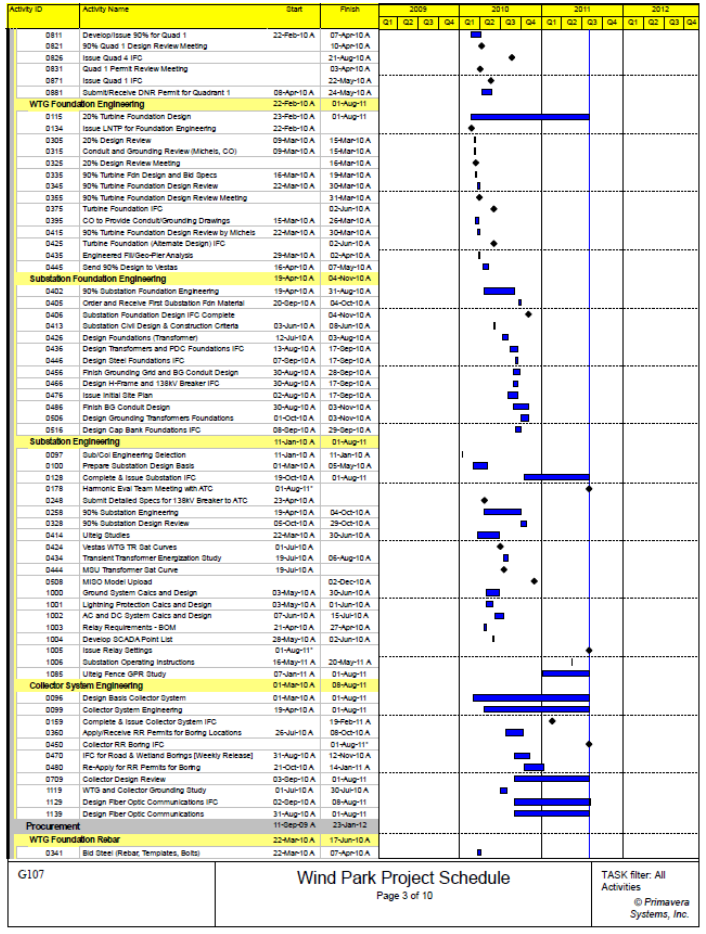
Round trip between **P6** and **NetPoint** for building, updating, and revising

Import from P6 to NPT for Summarization

Detailed schedule → 10-pages, 600 activities, 1,000 logic ties

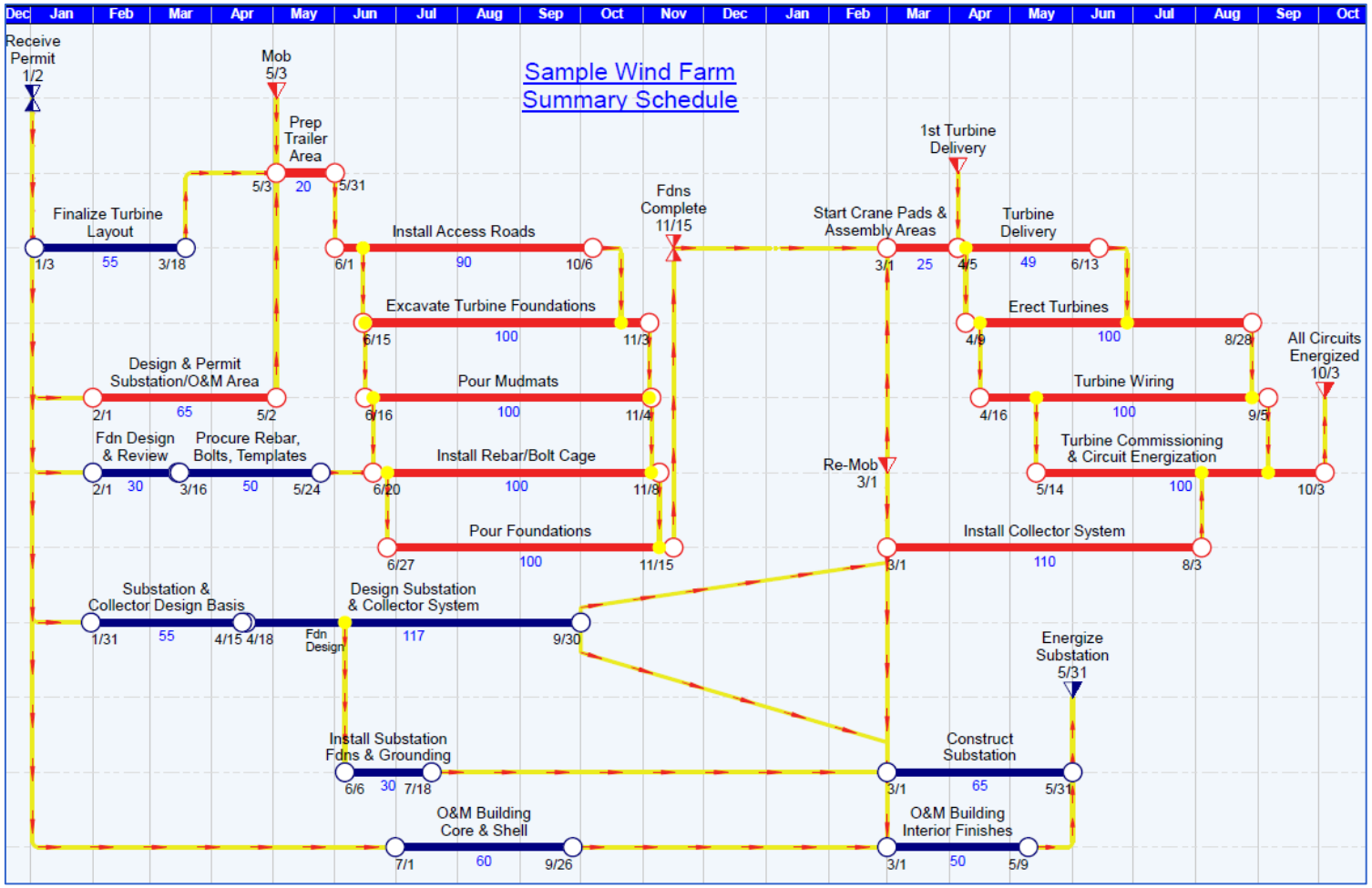






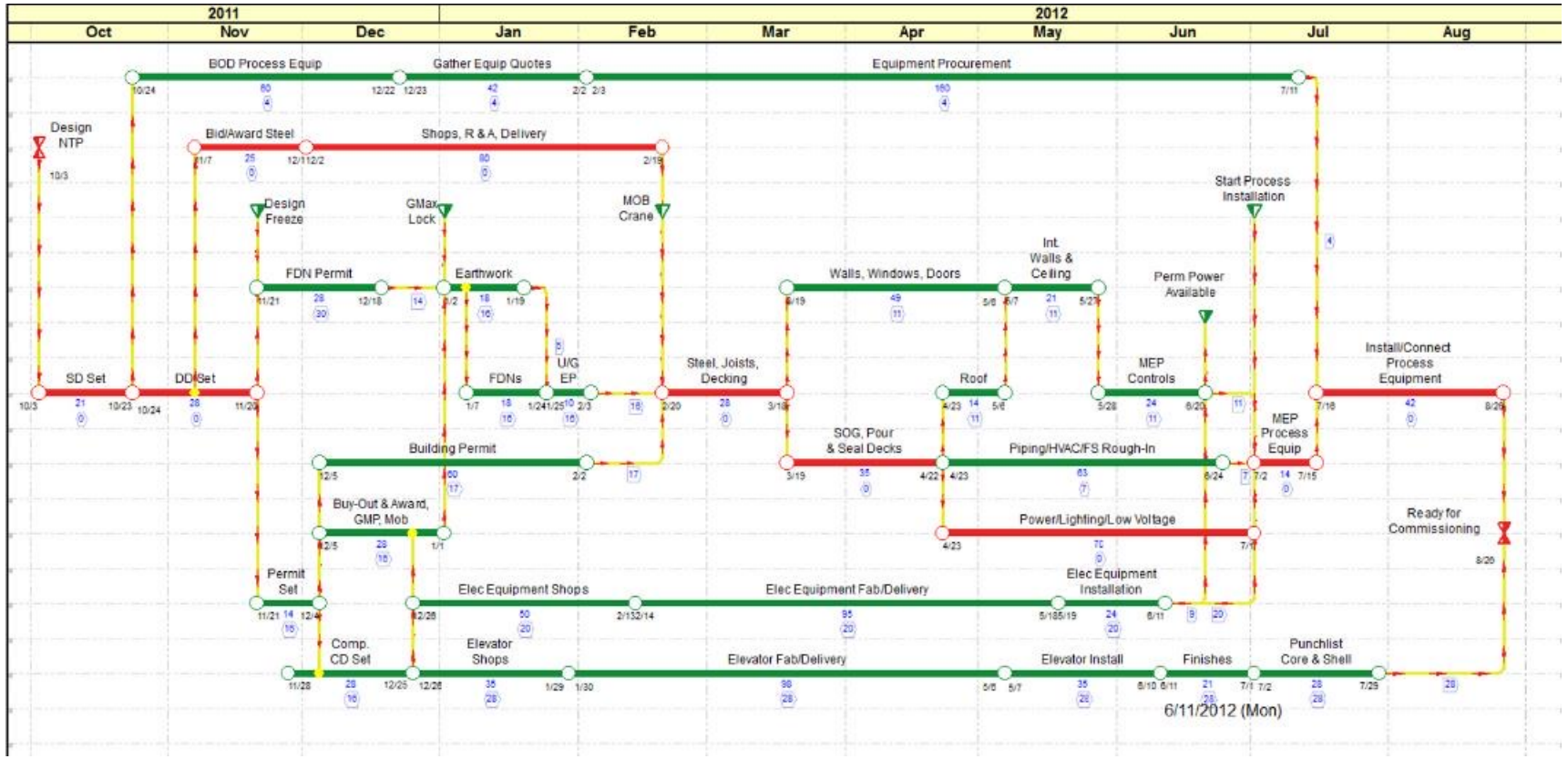
Import from P6 to NPT for Summarization

Summary schedule → Fits easily on 1 page, understood by schedulers and non-schedulers



Building a Detailed Schedule

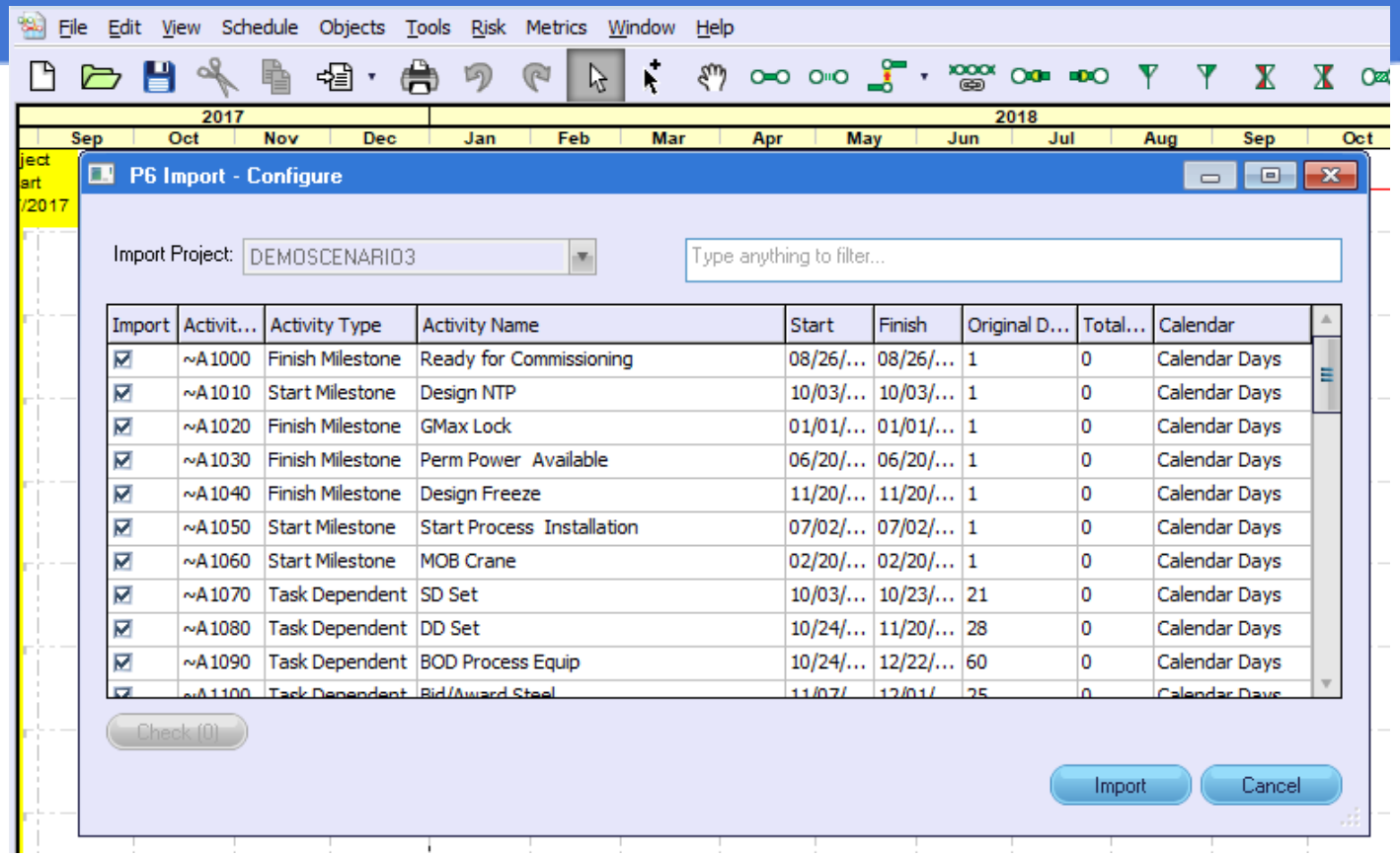
Build Level 1 or 2 schedule in NPT → export to P6 for Level 3 schedule



Benefits

- Collaborative planning
- Interactive & real-time interface
- Intuitive display
- Planned dates

What-if Analysis



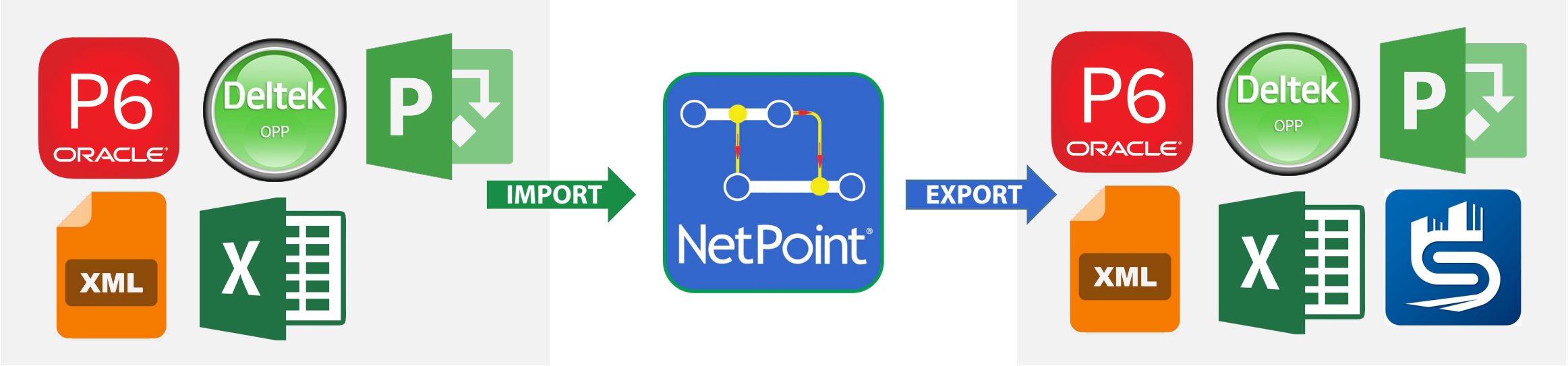
Import existing schedule in P6

Entire schedule or select activities for import

What-if Analysis

- Stakeholder input
- Real-time interaction
- Evaluate alternatives

Import/Export Capabilities of NetPoint



GPM vs CPM

The Fundamental Differences

GPM (NetPoint)		CPM (P6 & others)
Planned Dates and Early/Late Dates	→	Early/Late Dates
Drift, Float & Total Float	→	Float & Total Float
Milestones & Benchmarks	→	Milestones only
4 constraint types	←	9 constraints in P6
Resources for activities only	←	Resources apply to activities & LOEs
Mixed resource assignments	→	Either per time unit or per duration on an activity
Single & multiple-value code assignments	→	Single code assignments
Multiple activities on the same row		One activity per row
SS/FF logic is accomplished with embedded nodes		SS/FF logic is accomplished with different relationship types

Optimizing the Export/Import Process

If the user knows there will be data transfer between **NPT** *and* **P6**, *some simple steps can limit incompatibilities:*



Resources



Defining Activity Codes

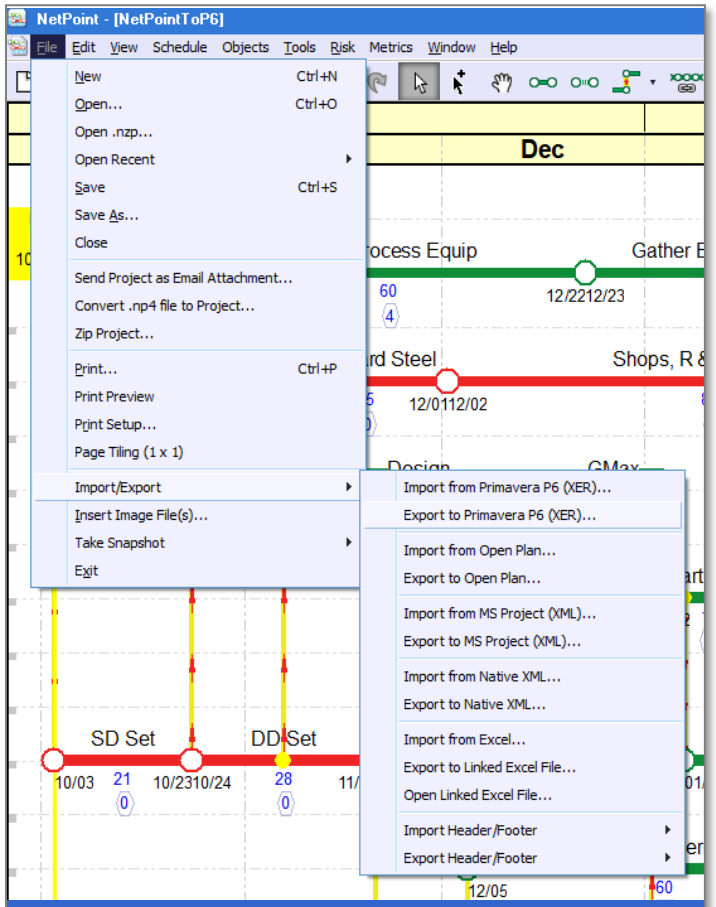


Using Planned Dates

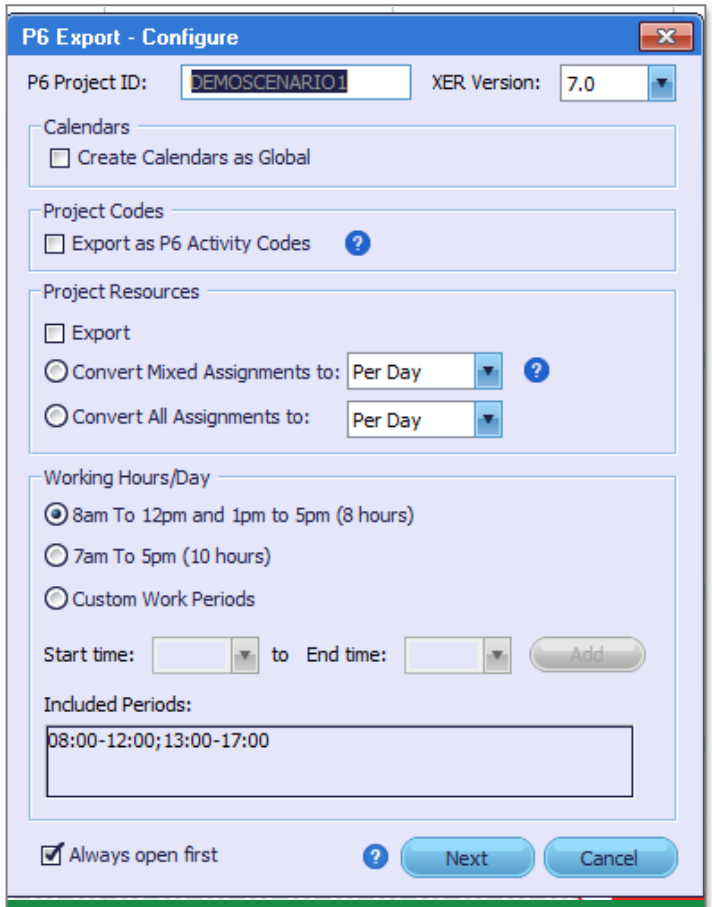


Benchmarks

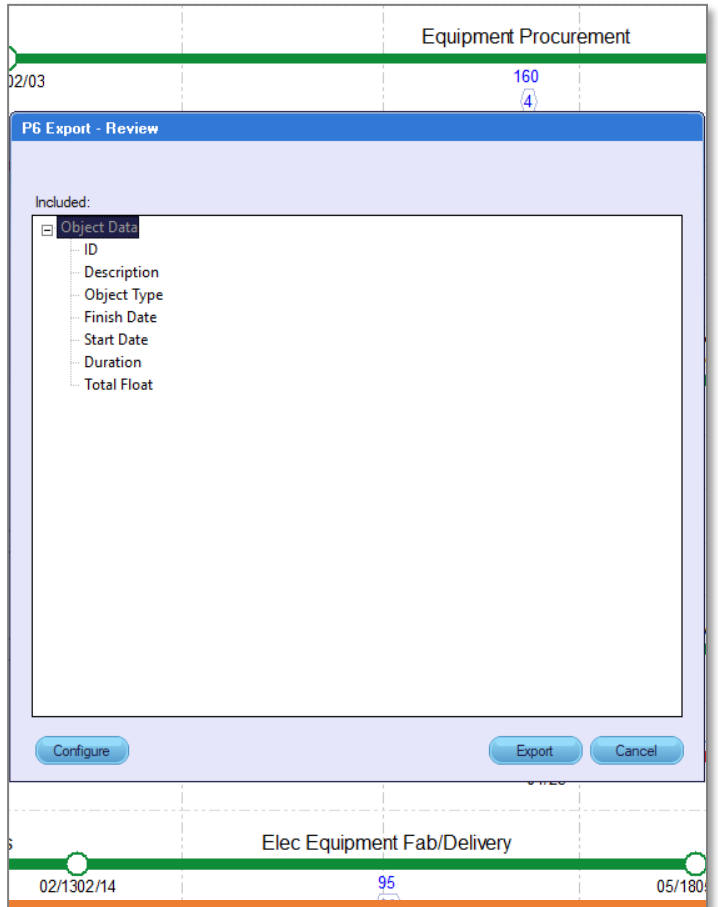
Exporting to P6



File Menu > Export to Primavera P6 (XER)…

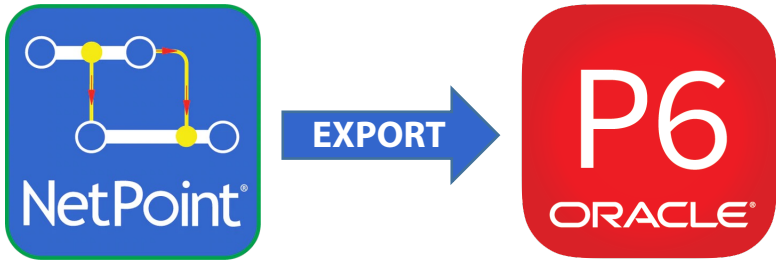


Export configuration



Review & Export
Saves export as XER file

Overview of Exporting to P6



01. Prepare the NetPoint file (or accept the differences).
    - Apply start-no-earlier than constraints for activities on planned dates.

02. Choose version of xer for the export.

03. NPT calendars
    - Can be exported as global or project calendars
    - Custom calendars without an activity assignment in NPT will not export

04. Codes in NPT can be exported as P6 activity codes.
    - You can have multiple assignments in NPT, but not P6—those with such an assignment will not export

Overview of Exporting to P6



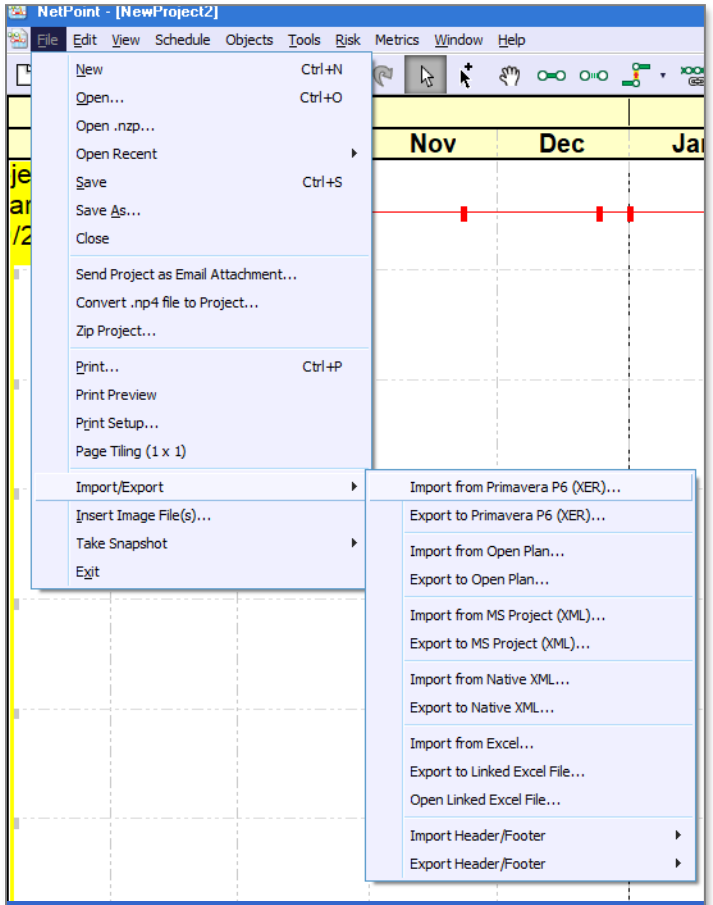
05. Export resources
    - Mixed resource assignments need to be converted

06. Define working hours
    - 8 hour work days
    - 10 hour work days
    - Custom hours

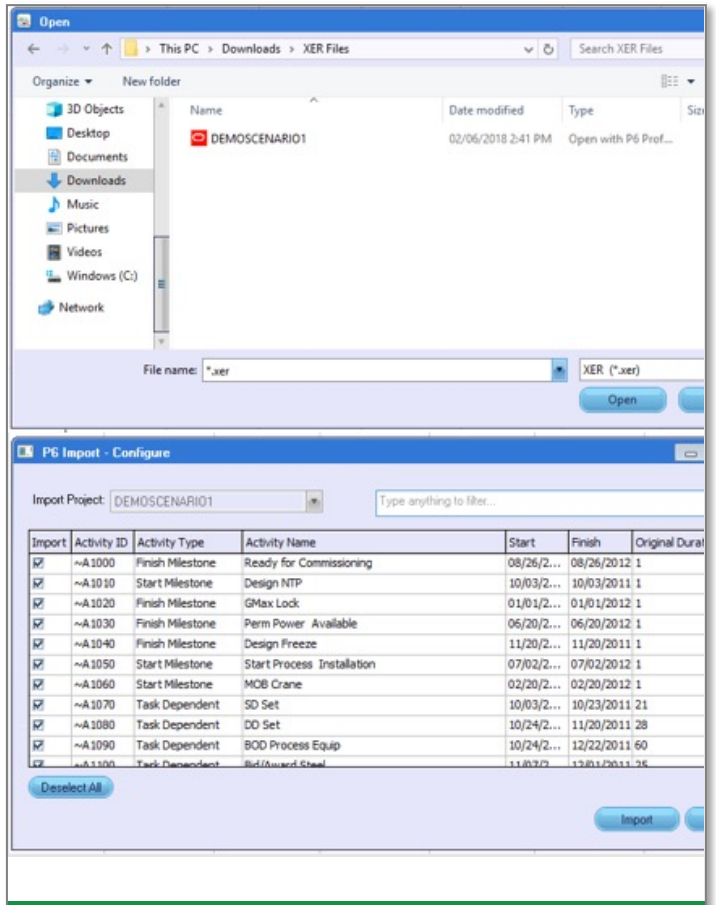
07. There are 29 fields of data that are exported

08. The formatting process is relatively simple, as there is no question about how to align/format activities in P6.

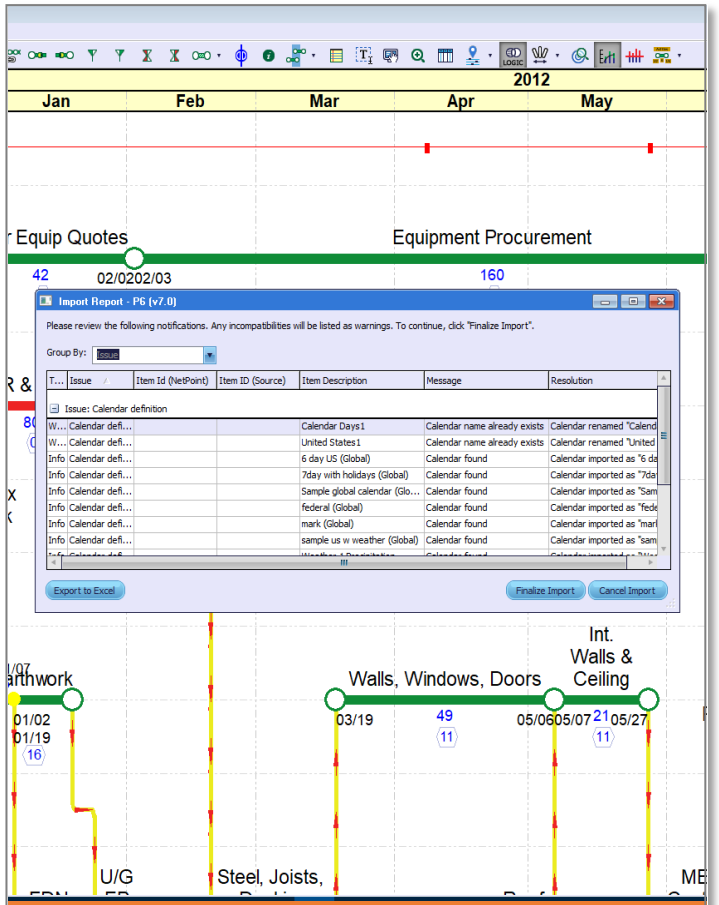
Importing from P6



File Menu > Import from Primavera P6 (XER)…

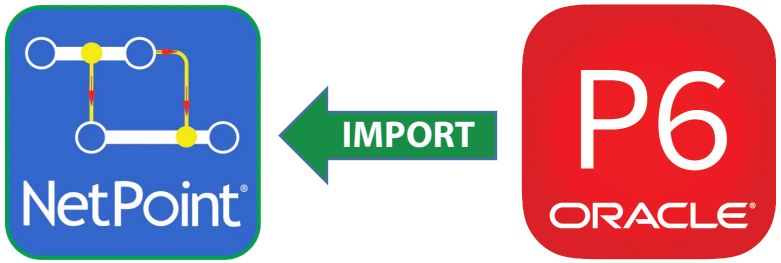


Open & Configure



Review & Finalize

Overview of Importing to NetPoint

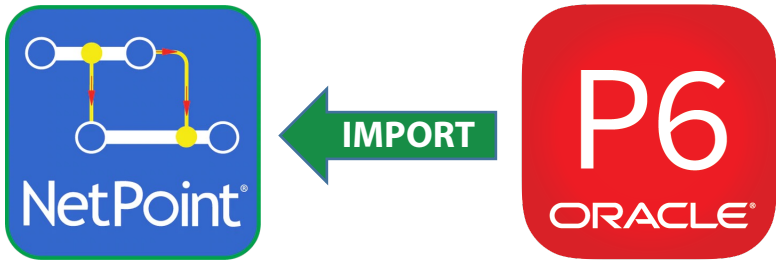


01. Prepare the P6 file
    - Schedule and summarize in P6
    - Check the basis for the calendar for relationship lag
    - Use task-dependent activities, milestones, or LOEs

02. Export to an xer file

03. Import the xer file into NPT
    - Select the project you want (if multiple projects in the xer)
    - De-select activities you do not want to bring in

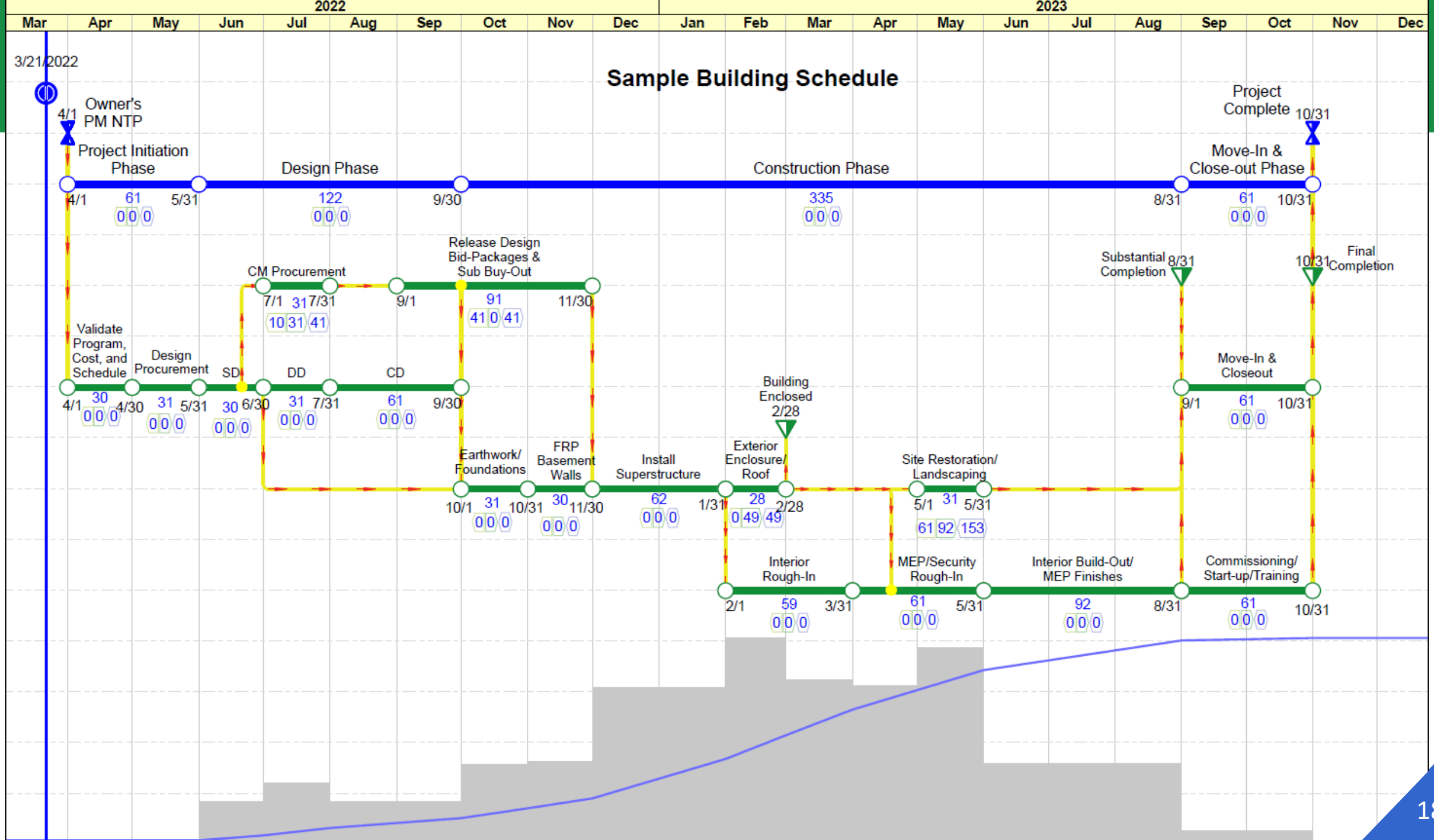
Overview of Importing to NetPoint



04. View the import report
    - Easiest to view it in Excel
    - Two types of notifications
        - Info – minor incompatibilities
        - Warning – major incompatibilities

05. Review the formatting in NPT

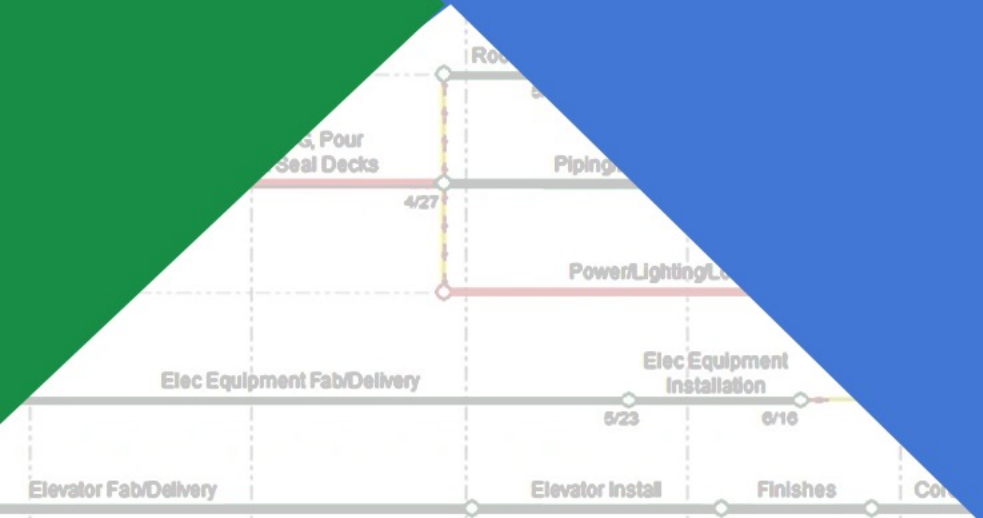
06. There are 33 fields of data that are imported


2022
2023
Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
3/21/2022
Sample Building Schedule
Owner's PM NTP
4/1
Project Initiation Phase
Design Phase
Construction Phase
Move-In & Close-out Phase
Project Complete
10/31
4/1
61
5/31
122
9/30
335
8/31
61
10/31
Release Design Bid-Packages & Sub Buy-Out
CM Procurement
Substantial Completion
8/31
10/31
Final Completion
7/1
31
7/31
9/1
91
11/30
Validate Program, Cost, and Schedule
Design Procurement
SD
DD
CD
Move-In & Closeout
4/1
30
4/30
31
5/31
30
6/30
31
7/31
61
9/30
9/1
61
10/31
Building Enclosed
2/28
Earthwork/ Foundations
FRP Basement Walls
Install Superstructure
Exterior Enclosure/ Roof
Site Restoration/ Landscaping
10/1
31
10/31
30
11/30
62
1/31
28
2/28
5/1
31
5/31
Interior Rough-In
MEP/Security Rough-In
Interior Build-Out/ MEP Finishes
Commissioning/ Start-up/Training
2/1
59
3/31
61
5/31
92
8/31
61
10/31



Demo

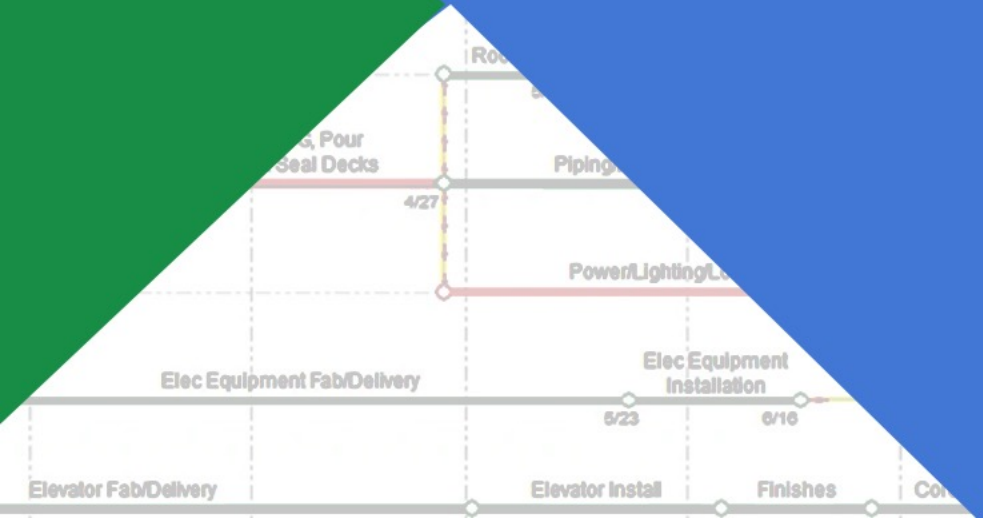
Export to P6



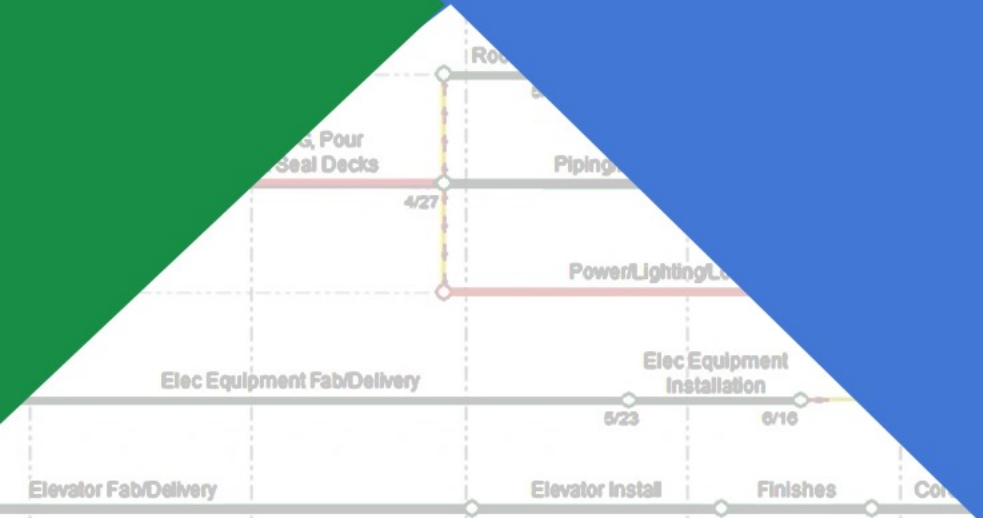


Demo

Import to NetPoint





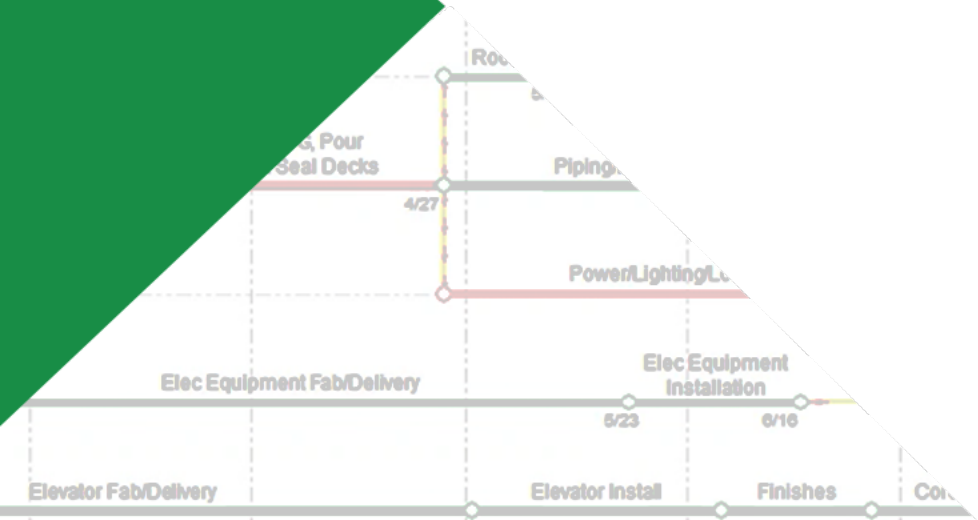


Demo

Import to Project Summit



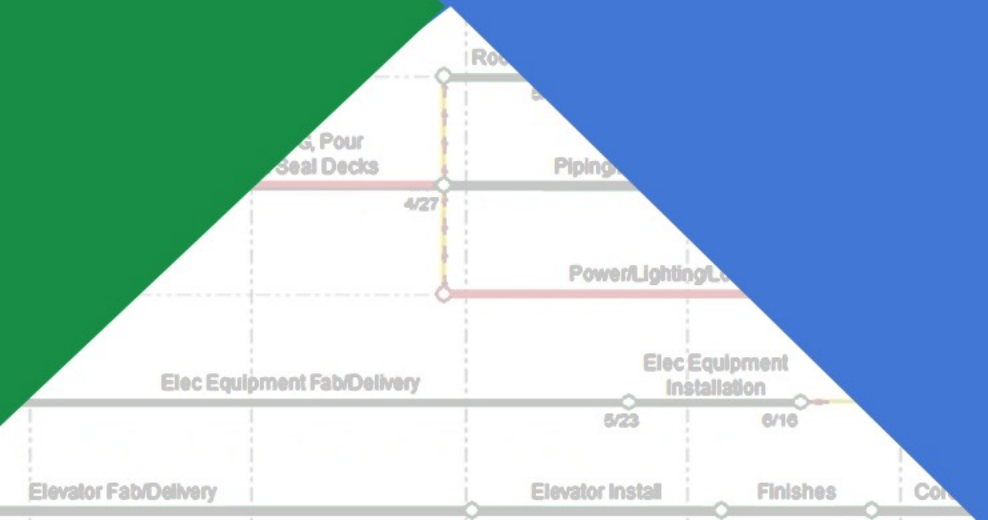
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Q & A



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Thank You!