



# EP-dashboard

Innovative  
visualization tools  
for reporting &  
planning

## COLLABORATIVE PLANNING

Keep the collaborative planning process but not the sticky notes when Pull Planning!

Accomplish the most important part of a lean process, a realistic schedule, with Emerald's innovative technology, EP-dashboard's racetrack diagram. Maximize on your material, time and effort, keeping you competitive and your capital projects on time and on budget.

# EP-dashboard's Racetrack Diagram for Project Summary Highlights

## THE CHALLENGE

### Visual Summaries

Primavera P6 is a powerful scheduling engine that has become the industry standard for project schedule, resource and cost management. Planners and schedulers have long wished for the ability to quickly filter on summary project information to gather a fast, visual representation of project timelines and work overlaps. However, quickly visualizing summarized project information and schedules can be a major challenge in Primavera P6.

### Integrated Planning

To build a level 2 schedule, project teams will often engage in the exercise of "Pull Planning" or "Integrated Planning". Project stakeholders, managers and schedulers will gather and build a collaborative visual representation of the project using wall charts and sticky notes. The result is an increased buy-in by project teams, faster schedule development and a more accurate schedule.

However, getting a dispersed project team all in one room at the same time can become a logistical nightmare, sticky notes can be misplaced or knocked down, and once the team is satisfied with the schedule, it will still need to be manually entered into Primavera P6. Companies engaged in Lean Construction techniques find P6's lack of built-in Pull Planning functionality a real burden, since everything has to be manually created.

## THE SOLUTION

Emerald Associates' EP-dashboard® solution provides a web-based enterprise reporting tool for displaying KPIs and project information in real-time. EP-dashboard pulls information from a variety of sources to generate visually rich and interactive dashboard charts.

One of the out-of-the-box charts included in the EP-dashboard tool is the racetrack diagram that enables quick and easy visualization of summary project information. The chart allows for activities to be grouped by any desired codes, values, UDFs or WBS nodes. Color palettes can also be assigned to each grouping value. Data pulled from Primavera P6 or Emerald's EP-datawarehouse is updated on the racetrack diagram in real-time, providing an accurate visual summary of the schedule.

## THE BENEFIT

### Visual Summaries

EP-dashboard's project summary chart allows users to quickly pull summary level project data into a visual format that is easy to control and consume. This enables the team to identify potential bottle necks by analyzing work overlaps and area congestion which results in the ability to make informed decisions regarding project timelines.

### Integrated Planning

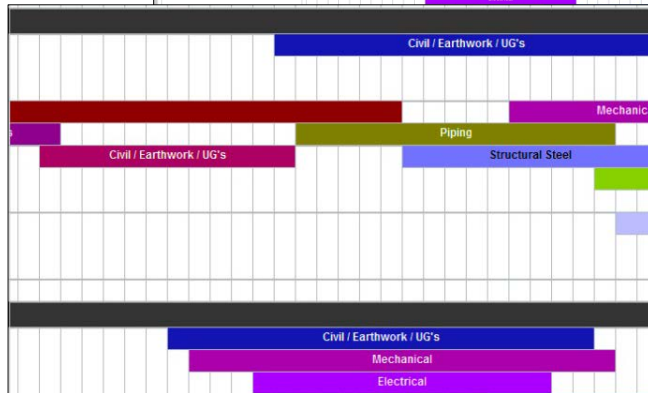
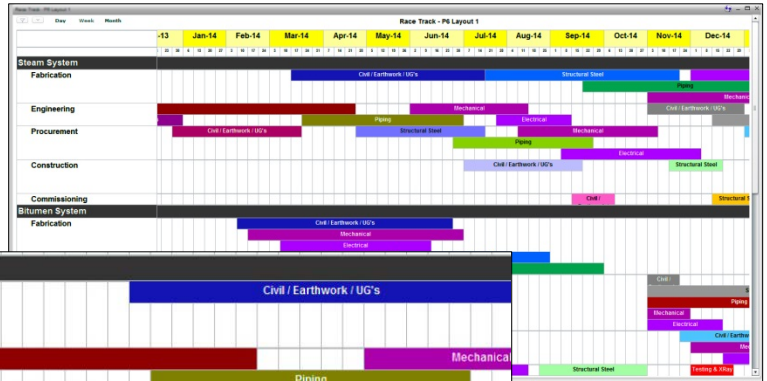
With EP-dashboards, Emerald's clients no longer need to gather entire project teams in the same location to complete pull planning sessions. All team members are able to view and change the same visual chart from remote and dispersed locations. The schedule can be built out and manipulated directly in P6, and changes are reflected in real-time in the EP-dashboard chart. The chart reduces the potential for errors and eliminates the need for double data entry because the resulting schedule is developed in its final format during the pull planning session.



**SOFTWARE COMPATIBILITY**

EP-dashboard can interface with many client databases and applications including the following:

- Oracle Primavera P6
- Oracle Primavera PCM
- Oracle Primavera OPMM
- SharePoint
- JD Edwards (JDE)
- SAP
- Hard Dollar (HD)
- MS Excel
- MS Access
- JDBC compliant databases



This racetrack diagram is displaying several different projects, grouped and colour-coded by three different activity codes.

**PRODUCT HIGHLIGHTS**

**User Friendly**

- Web-based solution with a user-friendly interface
- Customize crew reports and status percentage to your business
- Easily filter various data elements with configurable grouping settings

**Saves Time**

- Analyze role-based company information to obtain high-level reports for management and detailed project reports for project participants
- Change the granularity of chart views from days to weeks to months
- Flexibility to filter chart data and focus on any specific information, including location, work type, crews, discipline, etc.

**Saves Money**

- Create charts from multiple data sources – combine cost information from SAP or JDE for example, with schedule dates from Primavera P6
- Analyze with all data needed in one place
- Reduce the need for project team travel

**TECHNICAL SPECS**

- Client: Flash Player 10+, IE/Firefox/Chrome
- Application Server: Tomcat or Web Logic
- Java Runtime Environment: JRE 6
- Database: Oracle 10g+, SQL Server 2005+

