

云助力施工管理的案例分享

- 不仅仅BIM360 Glue与BIM 360 Field

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日程

- BIM 360 解決方案
- BIM 360 HQ
- BIM 360 Plan
- Q & A



BIM 360 解决方案

Autodesk® BIM 360™

专注于建筑项目的交付

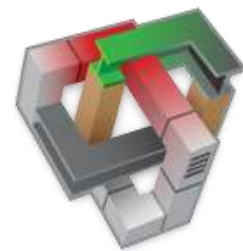
从：
施工前
多专业的协同与规划



到：
施工现场的执行、调试与交付
运营与维护

BIM 360

Construction Enterprise Integration



VDC / BIM
Management



Production
Planning



Layout &
Verification



Field
Management



Building
Operations



Ecosystem Integration



施工前
阶段

施工实施
阶段

调试与交付
阶段

运营与维护
阶段

BIM 360 Glue

- 解决方案 (云端与移动端)
- BIM 协同与协作管理

BIM 360 Layout

- 解决方案 (移动端)
- 施工放样, 与全站仪硬件设备连接

BIM 360 Plan

- 解决方案 (云端与移动端)
- 可视化的短期的项目计划, 追踪任务, 承诺与依赖关系

BIM 360 Field

- 解决方案 (云端与移动端)
- 施工现场数据的管理 (事项、任务、项目的每日更新与整修清单)

Building Ops

- 解决方案 (云端与移动端)
- 精简交付流程、控制维护成本、扩大服务范围





BIM 360 HQ

Why BIM 360 HQ?

施工前

施工实施

调试/交付



账户与跨项目管理



AUTODESK® BIM 360™ HQ




WORKS CROSS SERVICES

企业的组织结构

| Account Settings | | Business Units | |
|------------------------|--|---|--|
| Name | | Description | |
| ▶ North America | | USA, Canada | |
| ▲ Europe | | Northern, Central, Southern, Eastern Europe | |
| United Kingdom | | EMPTY | |
| France | | EMPTY | |
| Germany | | EMPTY | |
| Nordic | | Denmark, Finland, Norway, Sweden | |
| Southern Europe | | Spain, Italy, Greece, Cyprus | |
| Hungary | | EMPTY | |
| ▲ Middle East | | Qatar | |
| United Arab Emirates | | EMPTY | |
| Qatar | | EMPTY | |
| Saudi Arabia | | EMPTY | |
| ▲ Asia Pacific | | China, Japan, Korea | |
| Southeast Asia | | EMPTY | |
| Oceania | | EMPTY | |
| + Add a top level unit | | | |







用户管理

Members



[+ Add](#) [More Actions](#)

182 Members

| <input type="checkbox"/> | Name | Email | Status | Company | Last Login |
|--------------------------|---|---------------------------------|----------|---------------------|------------|
| <input type="checkbox"/> |  Brandon Lacourciere | brandon.lacourciere@autodesk... | Inactive | Global Construction | 10/3/2015 |
| <input type="checkbox"/> |  Clinton Cook | ccook@asti.com | Active | Global Construction | 10/21/2015 |
| <input type="checkbox"/> |  Charis Kaskiris | charis.kaskiris@autodesk.com | Active | Global Construction | 9/4/2015 |
| <input type="checkbox"/> |  Charles Coppage | charles.coppage@autodesk.com | Active | Global Construction | 10/9/2015 |
| <input type="checkbox"/> |  Chris Gray | chris.gray@iveymechancial.com | Inactive | Ivey Mechanical | 8/27/2015 |
| <input type="checkbox"/> |  Chris Perry | chris.perry@cadsoft-consult.com | Active | Global Construction | 8/27/2015 |

STATUS

Active 69

Inactive 113


ROLES

Account Admin 7

Project Admin 49


Other Member 126

合作公司管理









Companies

[+ Company](#)



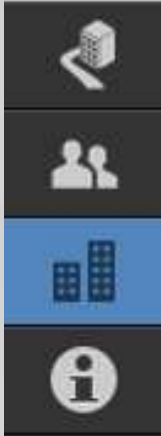
48 Companies

| Name | Trade | Projects | Members |
|--|-------------------------|----------|---------|
|  Global Construction | General Contractor | 18 | 59 |
|  California Paint | Finishes Painting ... | 4 | 2 |
|  Autodesk | | 4 | 18 |
|  American Plumbing | Plumbing | 4 | 1 |
|  Yellow Shield Healthcare | Owner | 3 | 1 |
|  Universal Drywall | Finishes Drywall | 3 | 1 |


TRADE

| | |
|-------------------------------|---|
| Concrete precast | 1 |
| Electrical | 3 |
| Exterior fences & gates | 1 |
| Finishes ceiling | 1 |
| Finishes drywall | 1 |
| Finishes flooring | 2 |
| Finishes painting & coating | 2 |
| Fire suppression | 2 |


合作公司管理













Company Profile Participants

 18 Projects with 59 Members

Global Construction

 Delete Company

| | |
|--|---|
|  Plan Demo Project 2 Members |  New Ops Building 1 Member |
|  Anthony's Sandbox 0 Members |  Oakwood Medical Facility 2 Members |
|  Science Lab 4 Members |  Oakwood Medical 2 Members |
|  To do List 0 Members |  Test 1 Member |
|  Plan Demo 5 Members |  BIM360 Training Center 1 Member |

项目管理

The screenshot shows the Autodesk BIM 360 Account Settings interface. The breadcrumb navigation at the top reads "AUTODESK® BIM 360™ Global Construc... > Account Setting...". The left sidebar contains navigation icons for Home, Users, Projects, and Account Settings (which is highlighted). The main content area has two tabs: "Account Settings" (active) and "Business Units".


Under the "Account Settings" tab, there are two sections:

- Account Information:** Displays the account name "Global Construction" with a logo consisting of three blue vertical bars of increasing height and the text "GLOBAL CONSTRUCTION".
- Account Administrators:** Lists two administrators: "David Sanchez" (email: bim360user1@yahoo.com) and "Ben Johnson" (email: bim360user2@yahoo.com). Below the list is a button with a plus sign (+) to add more administrators.

The footer contains social media icons for Facebook, Twitter, and YouTube, followed by links for "Privacy | Terms and Conditions | Community | About". The copyright notice is "© 2015 Autodesk, Inc. All rights reserved." and the Autodesk logo is on the right.







项目管理

Current Projects Archived Projects



[+ Add](#)

11 Projects STATUS

| Name ▲ | Members | Companies | Project Status | Last Activity | |
|---|---------|-----------|----------------|---------------|------------|
|  Alabama State Dorm | 1 | 1 | active | 10/19/2015 | Active 8 |
|  BIM 360 Plan | 36 | 25 | active | 10/8/2015 | Inactive 3 |
|  BIM 360 Plan Training | 63 | 3 | active | 10/9/2015 | |
|  Downtown Hospital | 0 | 0 | inactive | 10/19/2015 | |
|  Hospital Training Project | 0 | 0 | inactive | 8/1/2015 | |
|  Oakwood Medical | 13 | 13 | active | 10/18/2015 | |

BIM 360 HQ

紧密联系所有项目、人员以及合作方

主要功能

- 项目概览 – 所有BIM360项目的统一视图
- 项目信息 – 创建和管理共享的项目数据
- 合作公司的目录 – 浏览所有项目的合作方
- 用户主目录 - 管理所有项目成员

BIM 360 HQ

紧密联系所有项目、人员以及合作方

主要优势

- 简化了BIM360的实施和管理
- 项目整个生命周期与跨部门的数据分享
- 实现更丰富的跨项目，跨组织的工作流程

An aerial view of a city with a river and a highway bridge. The bridge is a multi-lane highway with a rainbow-colored line along its edge. The city skyline is visible in the background, featuring several tall buildings. The river flows through the city, and there are green spaces and a baseball field visible in the foreground.

BIM 360 Plan

施工前

施工中

调试/交付

可靠的施工短期工作计划



AUTODESK® BIM 360™ PLAN



Activity

5/4/15 to 5/25/15

Company

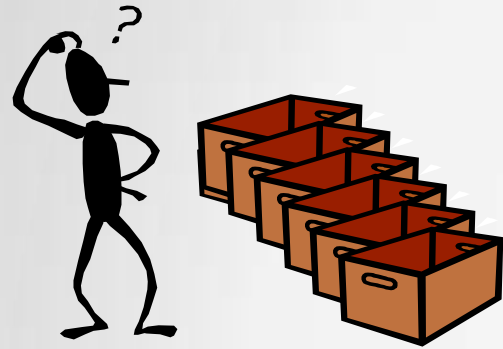
Location

| Location | M 5/04 | T 5/05 | W 5/06 | Th 5/07 | F 5/08 | M 5/11 |
|--------------|--|--|--|--|--|---|
| (unassigned) | Unnamed Activity Yellow Shield Healthcare | Frame Walls Yellow Shield Healthcare | | Unnamed Activity Yellow Shield Healthcare | Unnamed Activity Yellow Shield Healthcare | |
| | Unnamed Activity Yellow Shield Healthcare | Float floor (prep) Yellow Shield Healthcare | | Unnamed Activity Yellow Shield Healthcare | Unnamed Activity Yellow Shield Healthcare | |
| | Unnamed Activity Yellow Shield Healthcare | | Unnamed Activity Yellow Shield Healthcare | Unnamed Activity Yellow Shield Healthcare | Unnamed Activity Yellow Shield Healthcare | |
| | | | Pressure test Yellow Shield Healthcare | | | |
| | | | Unnamed Activity Yellow Shield Healthcare | | | |
| MOB | | | | | | |
| Floor 1 | | | | | | |
| Area A | | | | | Install grid Yellow Shield Healthcare | |
| Room 101 | | Pressure test Yellow Shield Healthcare | | | | |
| | | Floor Walk through ACC Builders | | | | |
| Room 102 | | RFI #1423 Yellow Shield Healthcare | | | Install Grid Global Construction | |
| | | | | | Screw Inspection Global Construction | |
| Room 103 | Hang drywall Global Construction | | Prime walls California Paint | | Install Grid Ceiling Experts | First coat of paint California Paint |
| Room 104 | Hang drywall Global Construction | | | | | Install Grid Ceiling Experts |
| Area B | Paint touchup Yellow Shield Healthcare | | | | | |
| Room 105 | | Hang drywall Global Construction | | | | |

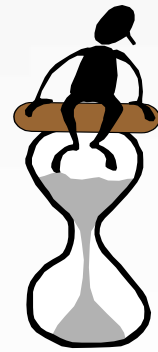
PPC
57%
28



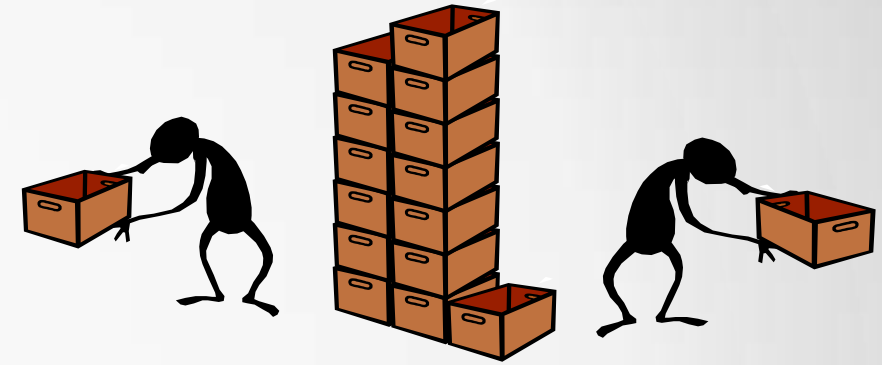
浪费 - 没有价值的资源消耗



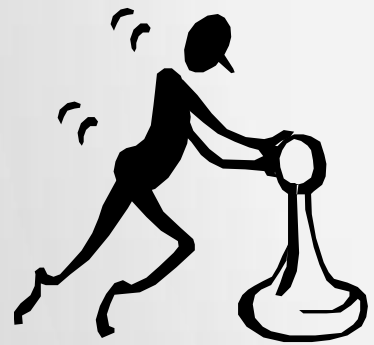
1. 过度生产



2. 等待



3. 存货管理



4. 位置移动



5. 工作量



6. 返工



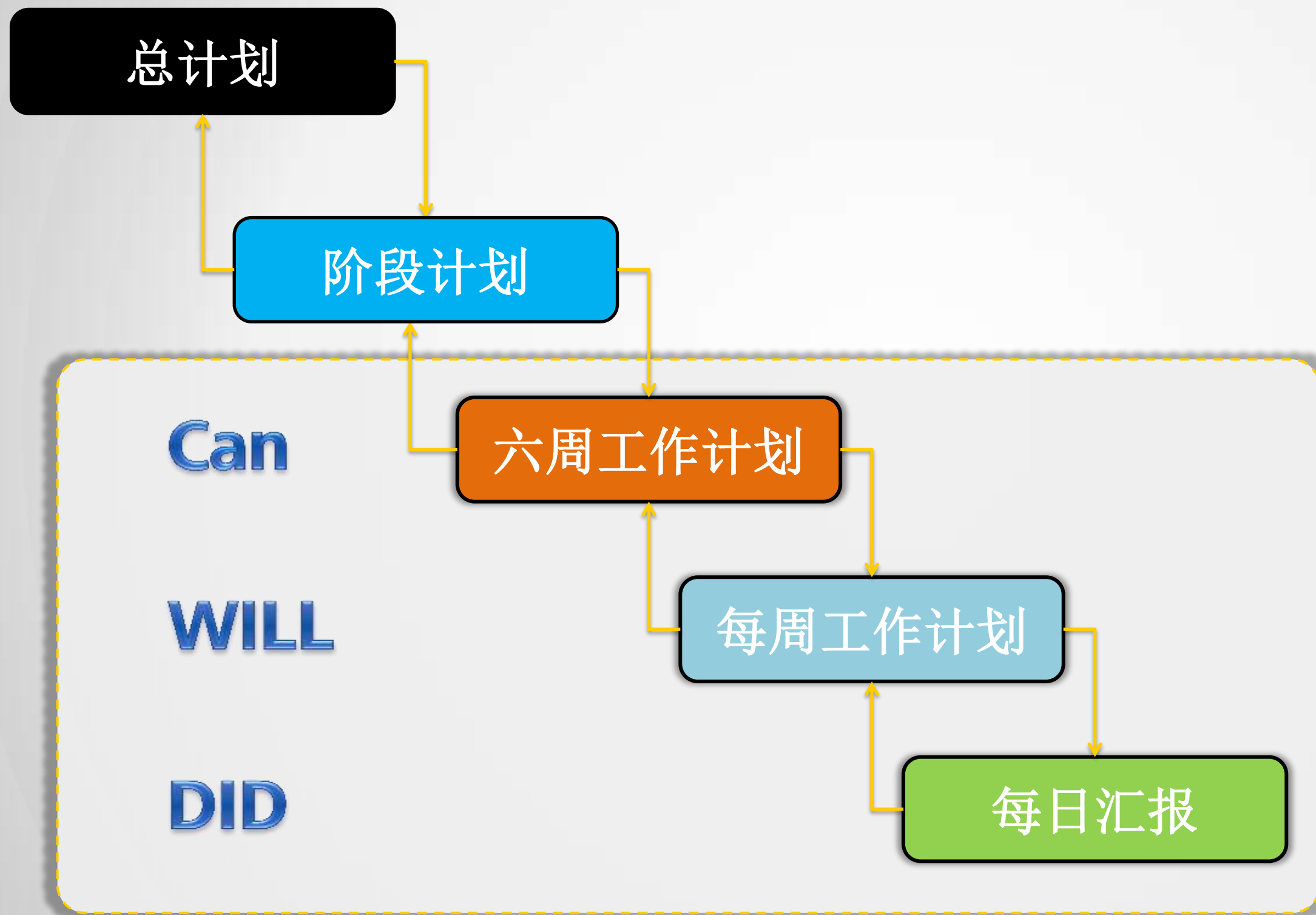
7. 流程

没有完成目标意味着什么？



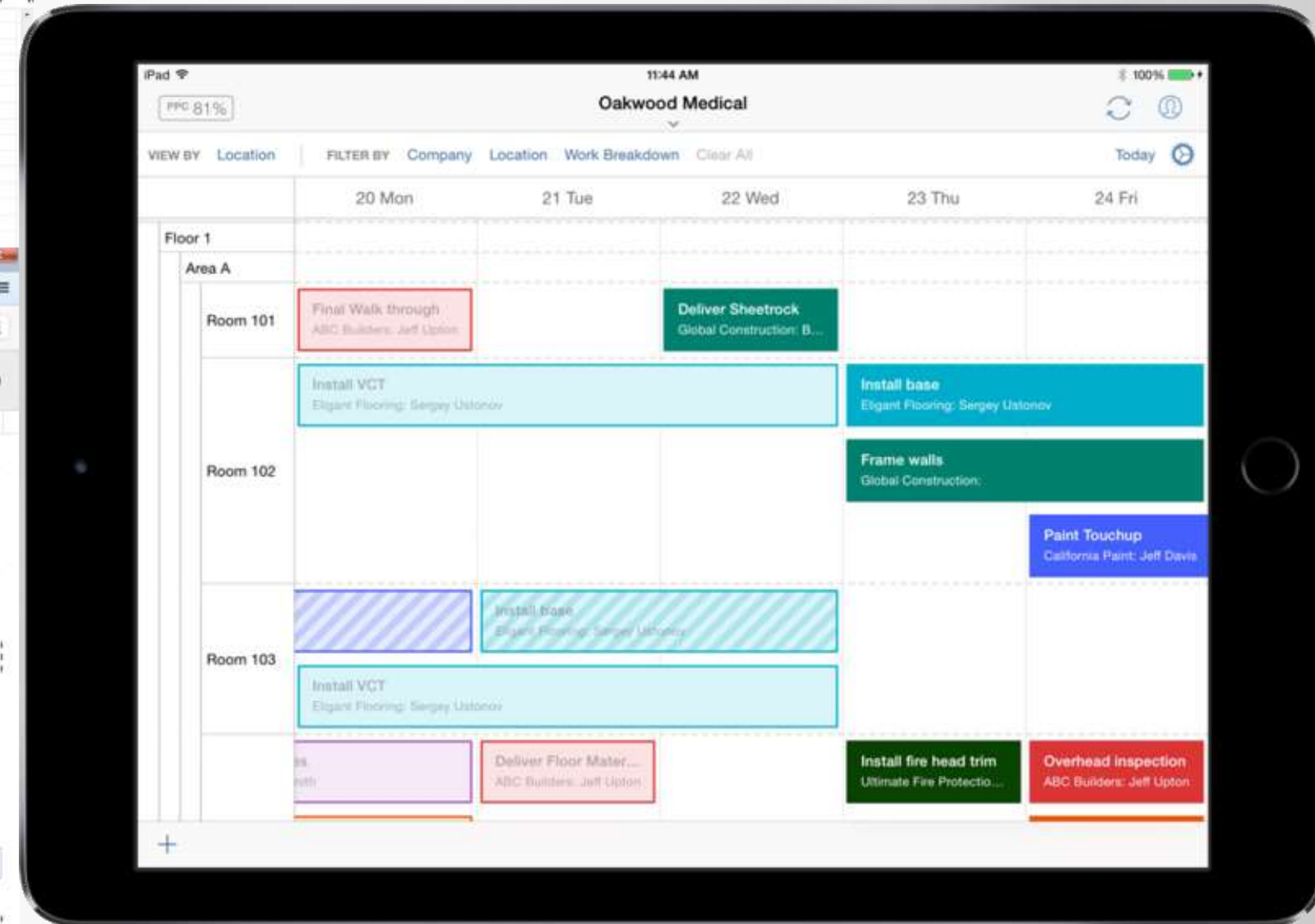
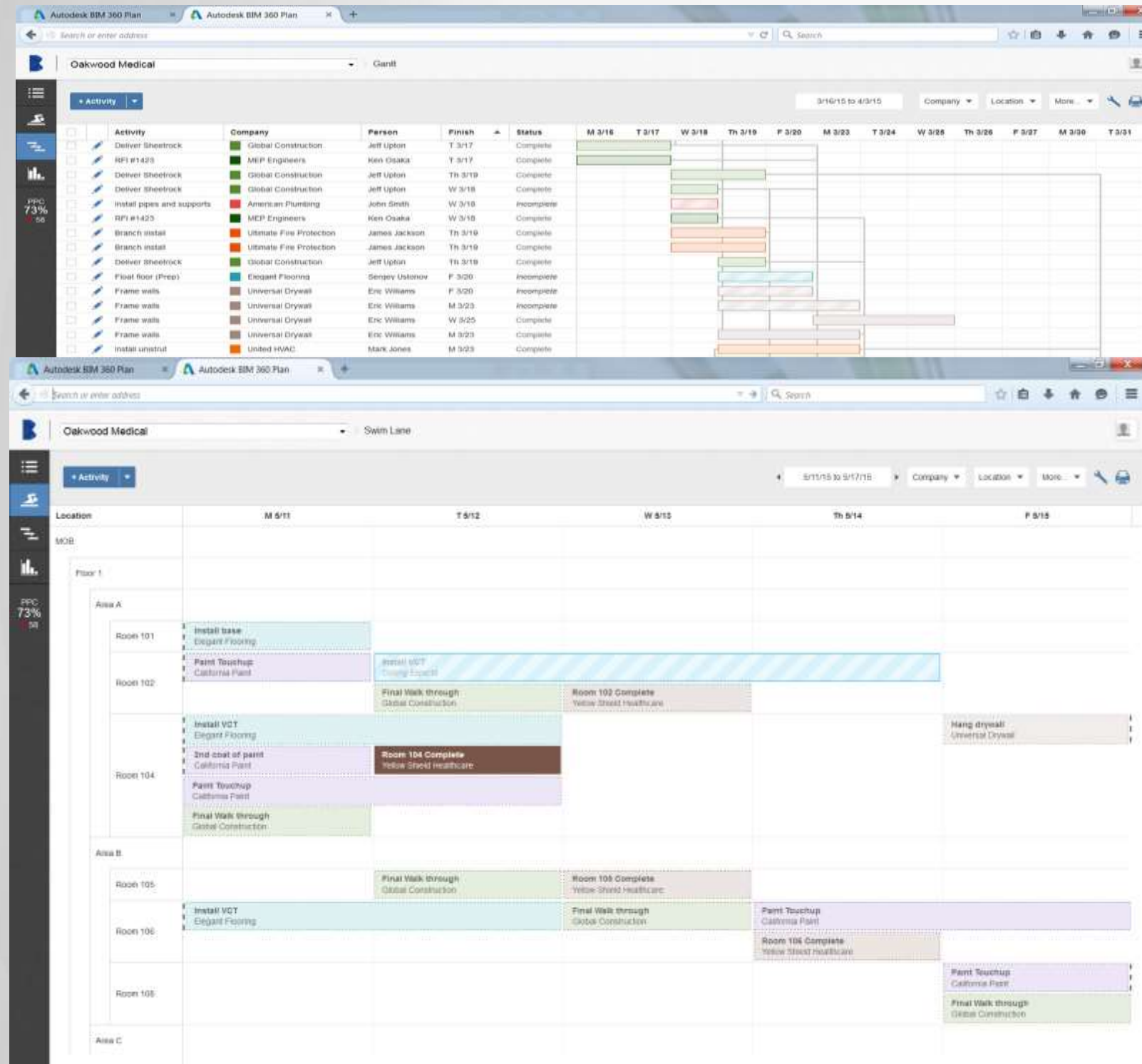
我们的进度落后了

生产计划





BIM 360 Plan



Autodesk BIM 360 Plan

Oakwood Medical

Activity

3 Weeks

Company

Location

More

MOB - Floor 1 > Area A > Room 104

Create New Activity

ACTIVITY

Type: Status:

Name (required):

Company: Person:

Location:

SCHEDULE

Start Date: Duration: Finish Date: Crew Size:

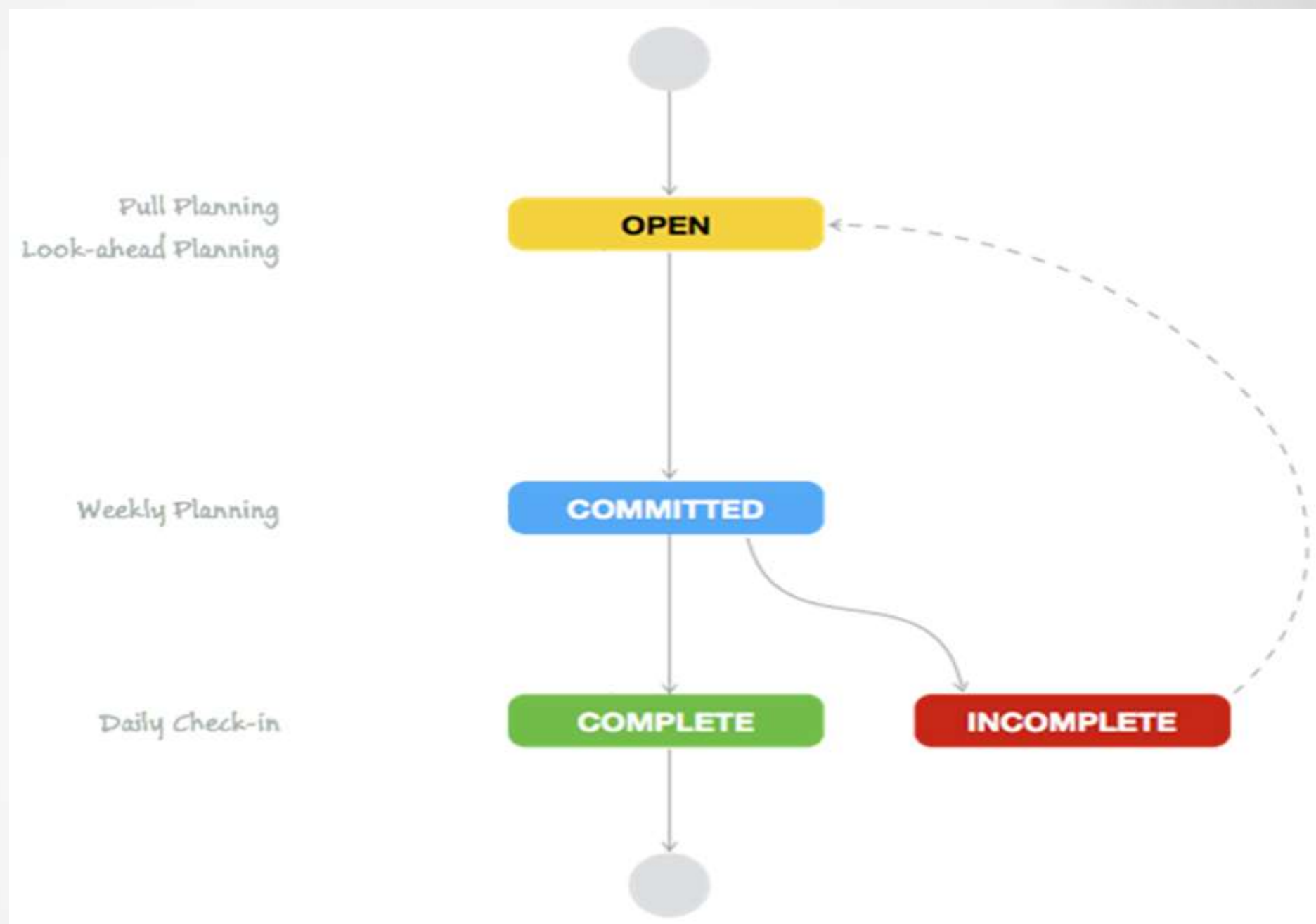
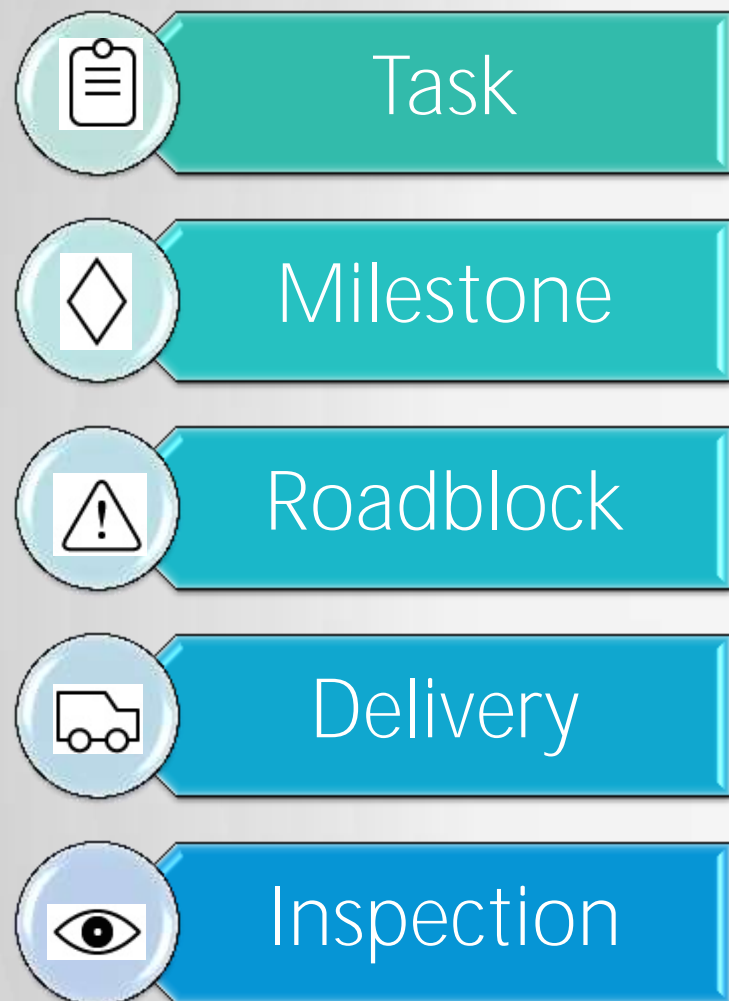
DETAILS

Work Breakdown Structure:

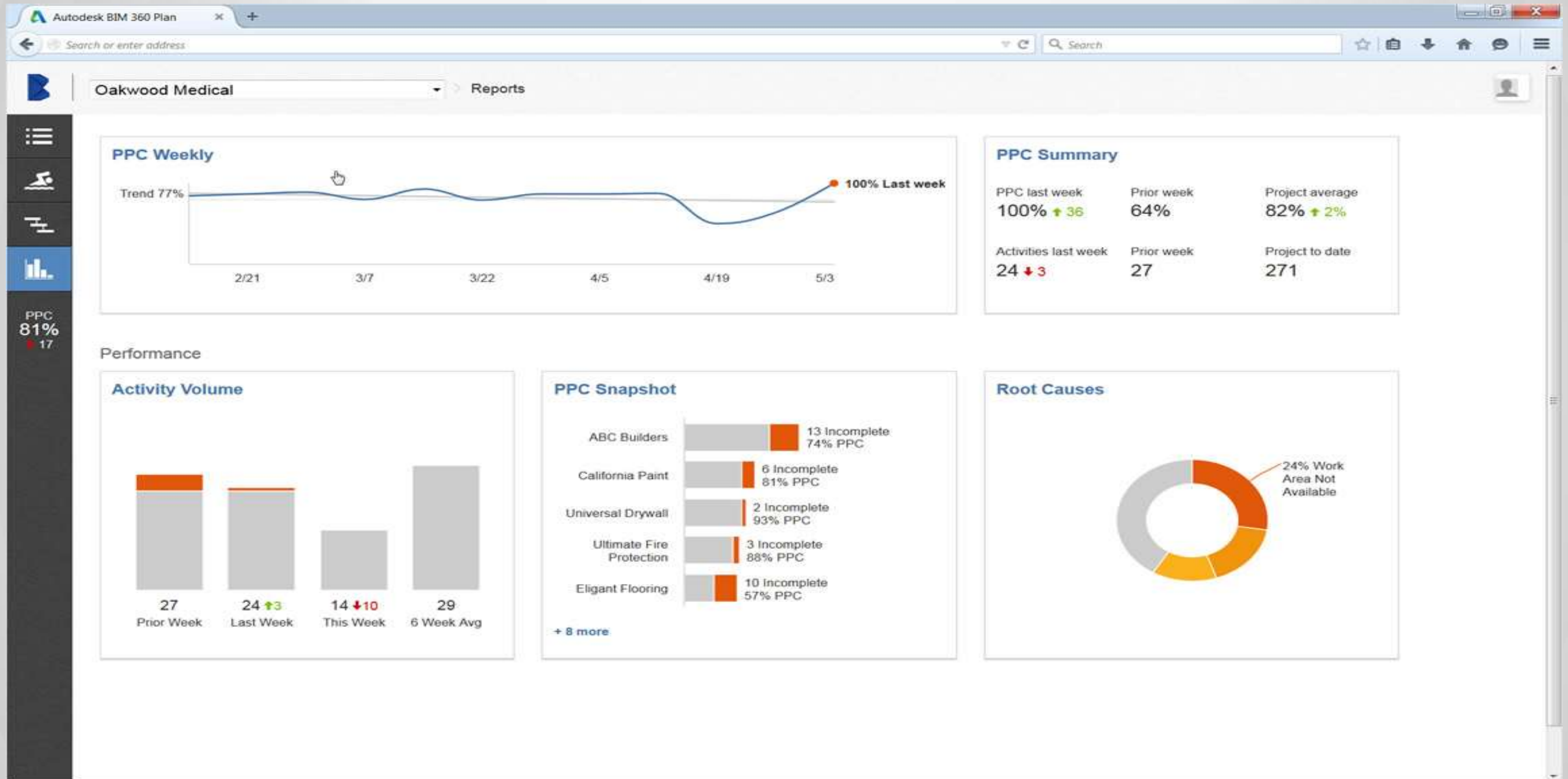
Description:

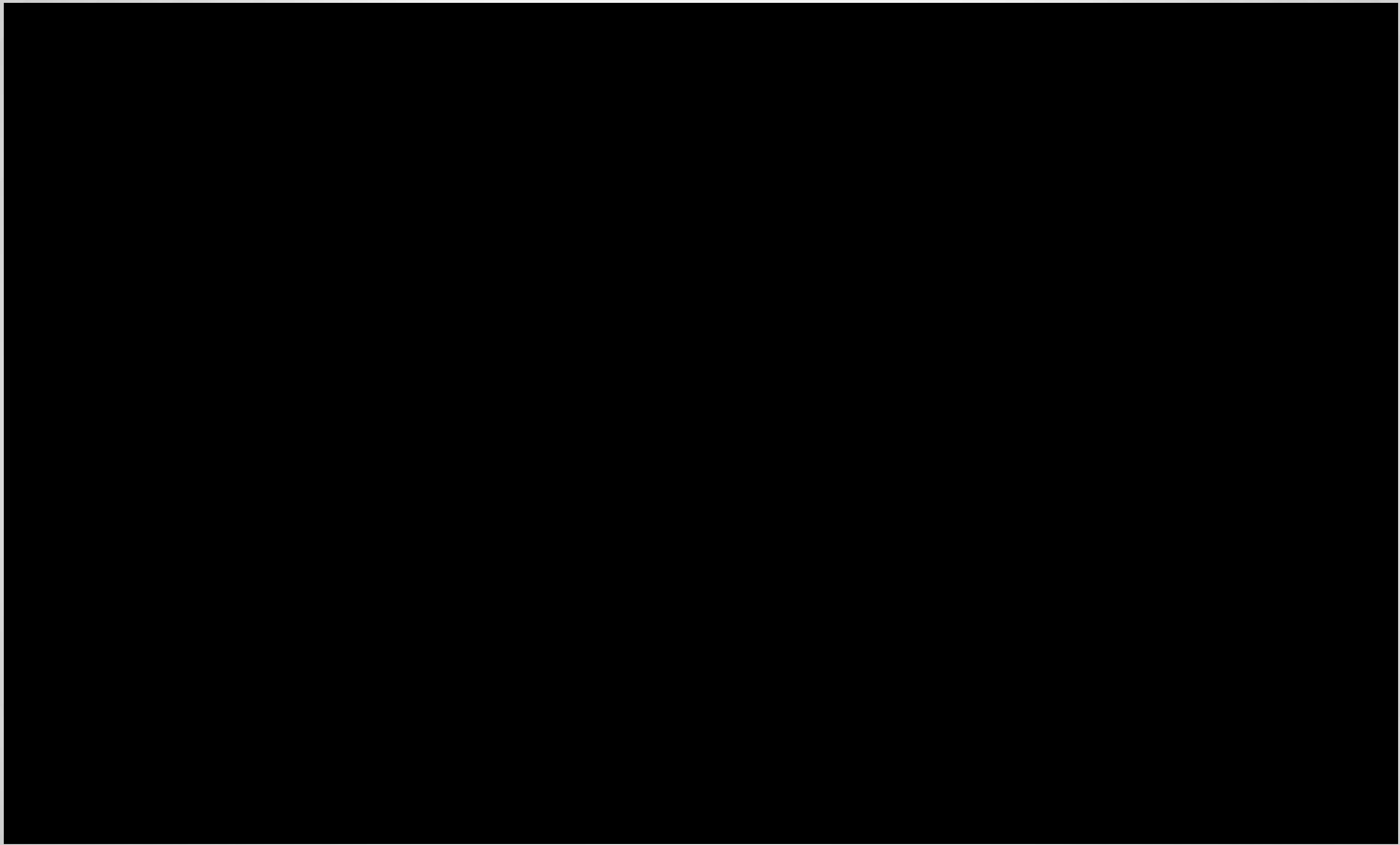
Cancel Save & Add Another Save

任务的类型和状态



跟踪 & 分析绩效





BIM 360 | Plan

制定基于云端与移动端协作的可靠的施工短期工作计划

主要用户:

- 总包商, 监理, 分包商, 工头

关键功能和优势:

- 创建短期工作计划
- 网页和移动端的实时审核与协作
- 用户自定义的项目视图
- 追踪与分析项目绩效



Q & A



