



TRUSSTOR

Boosting Productivity and Safety

提高生产力和安全



About 关于 Trusstor

Led by **domain experts** and **tech professionals**.

- 由领域专家和技术专家领导

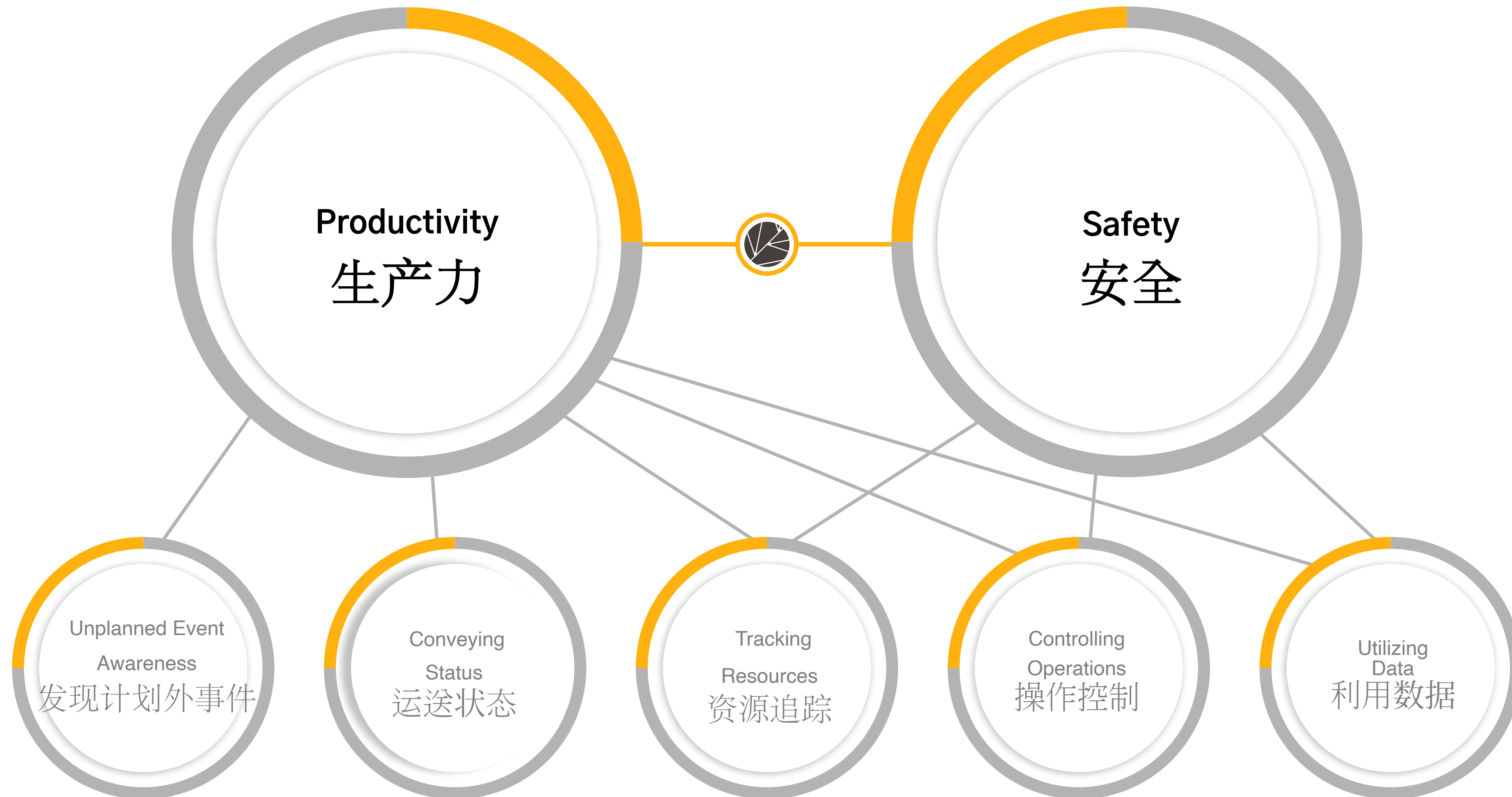
Boosting **productivity** and **safety** in the working environment.

- 提升工作环境的生产力和安全

“**Construction Intelligence**” - data driven insights.

- 通过数据驱动的洞察力实现“建设智能”

The Challenges 挑战



The Solution 解决方案

On-site **Command & Control** powered by real-time location system and site condition sensors.

- 由实时定位系统和现场条件传感器发出的现场指挥和控制

An **always displaying** dashboard to maximize site visibility.

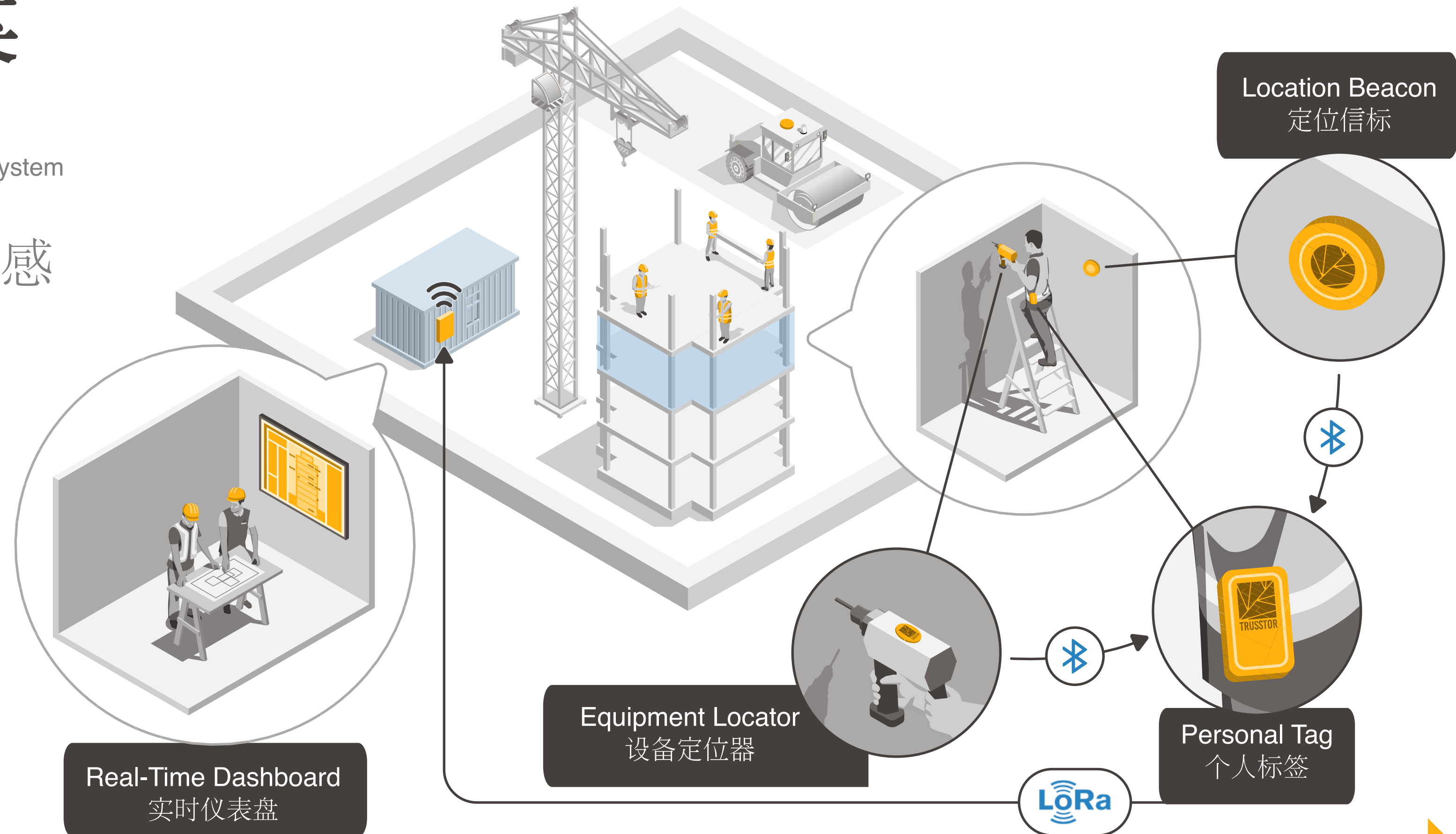
- 仪表盘不间断的信息呈现，将工地的可见度提到最高

Integrated **IoT and software** to connect field to system

- 通过物联网和软件集成，将工地与系统连接

Designed with a key vision in mind: **Simple solutions for complex problems.**

- 设计的愿景和初衷是：为复杂的问题提供简单的解决方案





Active floors 18

Active trades 14

Trades

Filter Show All

- Daily 4
- Earth Moving 7
- Prefab 4
- Construction 10
- Insulation 6
- Framing 12
- Sanitation 6
- Electricity 9
- Plaster 4
- Tiling and Cladding 4
- Paint 9
- Aluminium 5
- Reinforced Concrete 3
- Masonry 5
- Air Conditioning 4
- Heating 9

TRADES | ACTIVITIES

CP Chris P...

JR Jack R...

GT George Tyson

PS Peter Stark

Preparation area

Managers

SH Samuel hardy | DR Daniel Rad

Trades and equipment

4 Daily | 1 Insulation | 7 Framing

Ladder | Generator | Water pump

Capabilities 能力

Real-Time Resource Allocation

实时资源分配

- Track personnel, equipment, tools and materials within the site and allow it to perform at its best.

追踪工地中的人员、设备、工具和材料，发挥最大效益

- Project Monitor
- Admin Panel
- Workplan
- Summaries
- Settings

Overview

Workers on site 126

Managers on site 8

Active floors 18

Active trades 14

Managers

- Filter Show All
- SH Project manager Samuel Hardy
 - CP Project engineer Chris Peek
 - GT Project engineer George Tyson
 - JK Project engineer Josh Kena
 - PS Foreman Peter Stark
 - DR Foreman Daniel Rad
 - MD Foreman Matt Dawn
 - JR Safety manager Jack Ryan
 - MM Foreman Mark Monroe

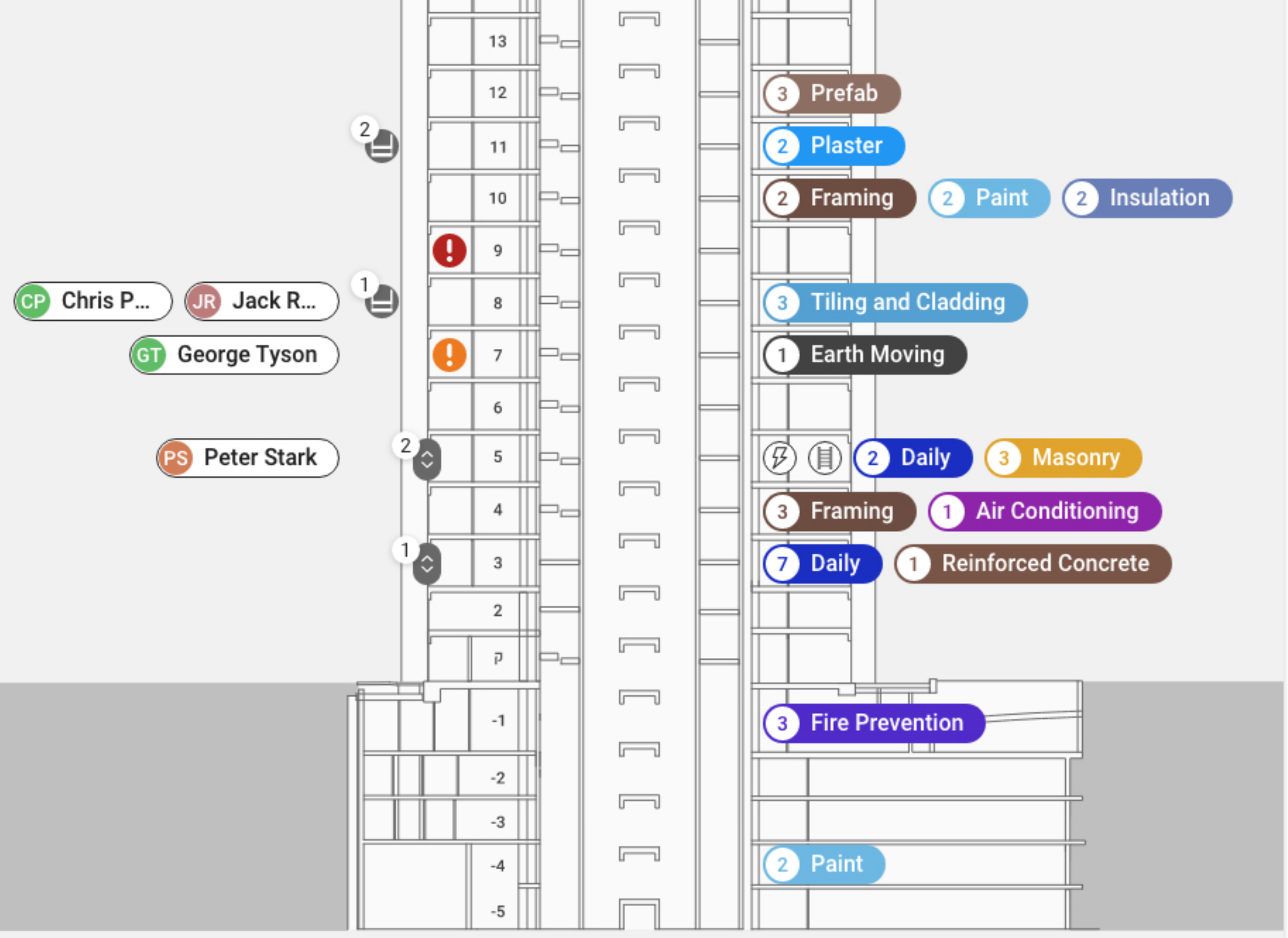
Equipment

- Show All
- Safety 9
 - Optic 5
 - Electricity 2
 - Power tools 10
 - Bonding machin... 3

Trades

- Filter Show All
- Daily 4
 - Earth Moving 7
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 - Heating 9

TRADES ACTIVITIES



Preparation area

Managers

- SH Samuel hardy
- DR Daniel Rad

Trades and equipment

- 4 Daily
- 1 Insulation
- 7 Framing
- Ladder
- Generator
- Water pump

News Feed

- 10.04.20 Train delay caused by technical issues
- 13.04.20 MOH inspections in Tel Aviv

Attention Points

- Add an attention point +
- Today
- Installing electrical cabinets Floor 2 CP
 - Installation of ceramics Floor 8 PS
 - A/C piping preparations Floor 5 GT
 - Entrepreneur tour DR
 - Iron Discharge Formwork JK
- 13.04
- Concrete Floor 3 CP
 - Consultants meeting MD

Safety

- Live
- Covid social distance Floor 7 Insulation
 - Works over an elevat... Floor 9 Landscaping
- Resolved
- Unidentified employ... Floor 10 Daily

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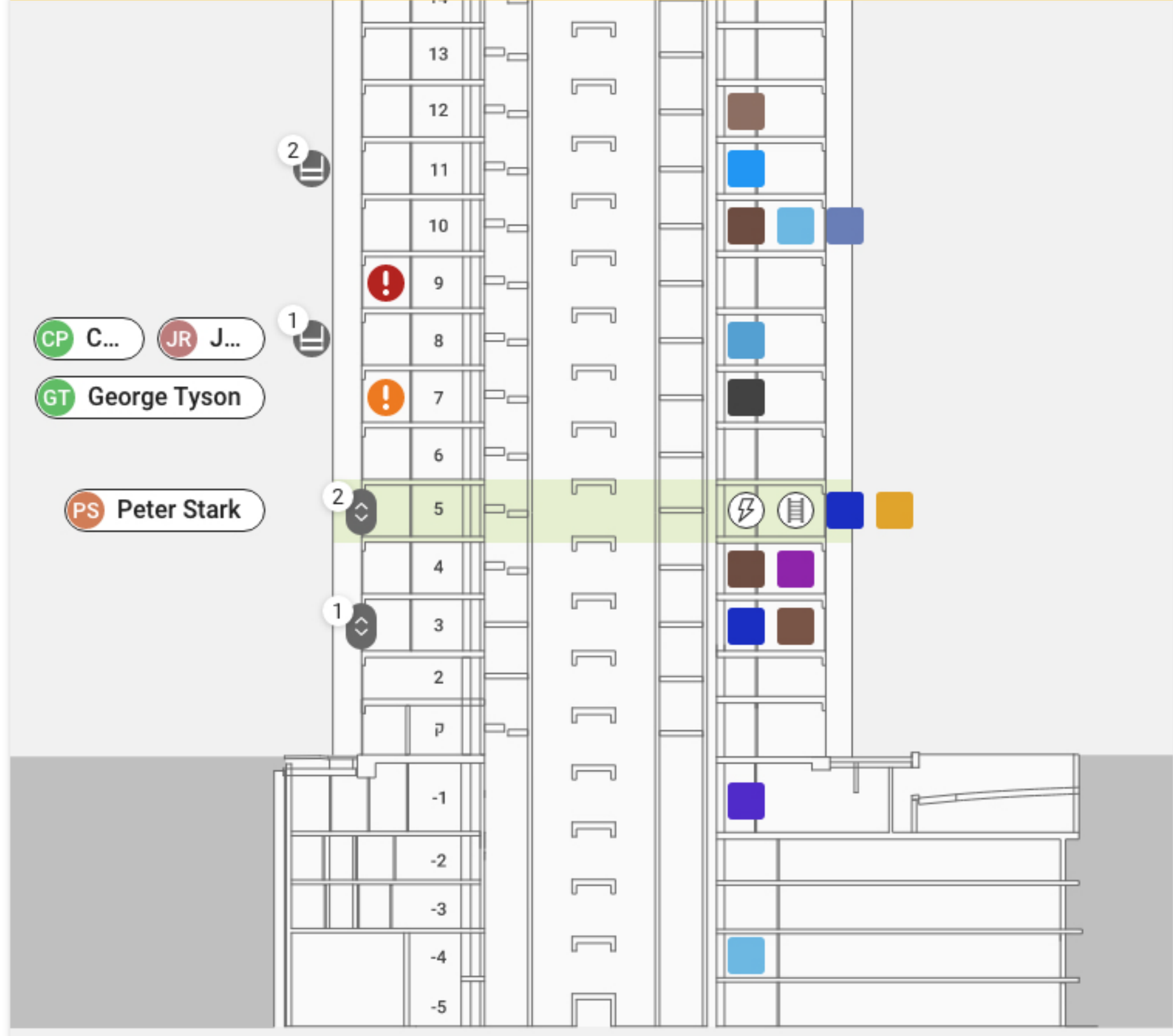
Trades

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TRADES ACTIVITIES



Preparation area

Managers

- SH Samuel hardy
- DR Daniel Rad

Trades and equipment

- 4 Daily
- 1 Insulation
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- Generator
- Water pump

Floor 5 Close >

Trades and equipment

Daily 2 Masonry 3

Generator 1 Ladder 1

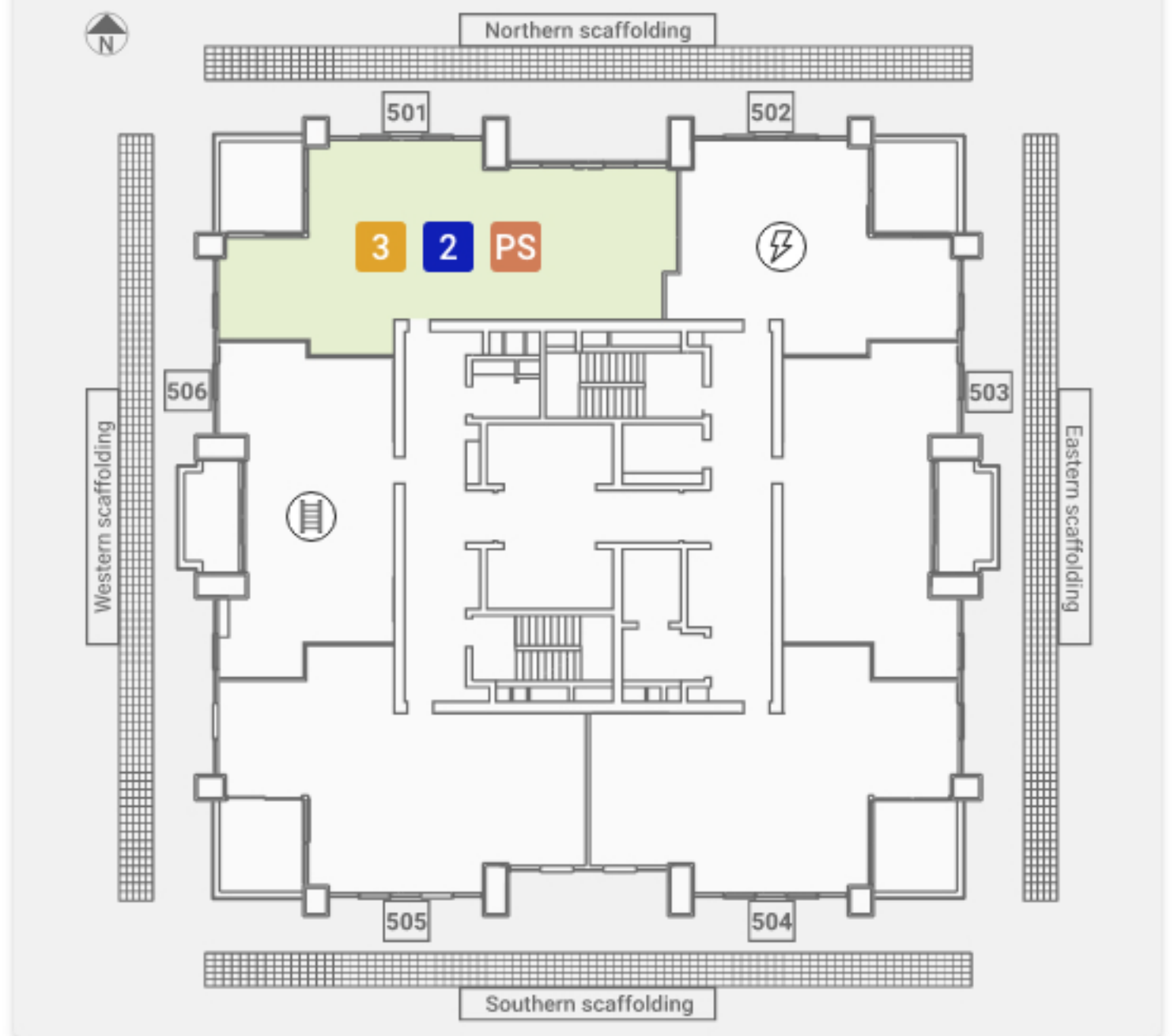
Trades and equipment

PS Peter Stark

Attention points

- Ceramics tiling
- Staircase flooring
- Pipe installation

Floor plan





Capabilities 能力

Workplan Generator 工作计划生成器

Easy to use workplan generator based on the “Last Planner” concept.

- 基于末位计划员概念且易于使用的工作计划生成器

Creating a common language between all on-site functions.

- 让工地所有功能可以一致

Helping managers better **track progress** and ensuring no overlaps of tasks are done.

- 帮助管理者更好跟踪进度，确保任务重叠情形不会发生

Workplan - 30/09/2020 - 04/09/2020 (last updated: Saturday 29/08 at 02:00hrs)

Weekly Activity Summary [Export Workplan](#)

Sort by

Trades Floors

Dates (weekly)

< 30.08.20 - 04.09.20 >

Managers

Filter Show All

- SH Project manager **Samuel Hardy**
- CP Project engineer **Chris Peek**
- GT Project engineer **George Tyson**
- JK Project engineer **Josh Kena**
- Foreman

Trades

Filter Show All

- Daily
- Earth Moving
- Prefab
- Construction
- Insulation

Floors

Floor Show All

Trades	Sunday 30.08.20	Monday 31.08.20	Tuesday 01.09.20	Wednesday 02.09.20	Thursday 03.09.20	Friday 04.09.20
Follow - up issues	<ul style="list-style-type: none"> Installing wat... - Floor 5 Contractor Tour 		<ul style="list-style-type: none"> Installing fram... - Floor 2 		<ul style="list-style-type: none"> Sealing inspection 	
Daily	<ul style="list-style-type: none"> Floor 7 - External walls Area 502 - Internal walls 		<ul style="list-style-type: none"> Floor 7 - External walls Floor 7 - Internal walls 		<ul style="list-style-type: none"> Floor 7 - Internal walls 	
Earth Moving						
Prefab						
Construction	<ul style="list-style-type: none"> Floor 3 - Dry walls 	<ul style="list-style-type: none"> Floor 3 - Dry walls 	<ul style="list-style-type: none"> Floor 3 - Dry walls 	<ul style="list-style-type: none"> Floor 3 - Dry walls 	<ul style="list-style-type: none"> Floor 3 - Dry walls 	<ul style="list-style-type: none"> Floor 3 - Dry walls
Insulation	<ul style="list-style-type: none"> Floor 1 - Balcony insulat... 	<ul style="list-style-type: none"> Floor 1 - Balcony insulat... 	<ul style="list-style-type: none"> Floor 1 - Balcony insulat... 			
Framing		<ul style="list-style-type: none"> Floor 2 - Door Frames 	<ul style="list-style-type: none"> Floor 2 - Windows Frames 	<ul style="list-style-type: none"> Floor 2 - Windows Frames 	<ul style="list-style-type: none"> Ground floor - Door Fram... 	
Sanitation	<ul style="list-style-type: none"> Floor 5 - Water pipes 	<ul style="list-style-type: none"> Floor 5 - Water pipes 	<ul style="list-style-type: none"> Floor 5 - Water pipes 	<ul style="list-style-type: none"> Floor 5 - Water pipes 	<ul style="list-style-type: none"> Floor 5 - Water pipes 	

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 - JR Safety manager Jack Ryan
 - MM Foreman Mark Monroe

Equipment

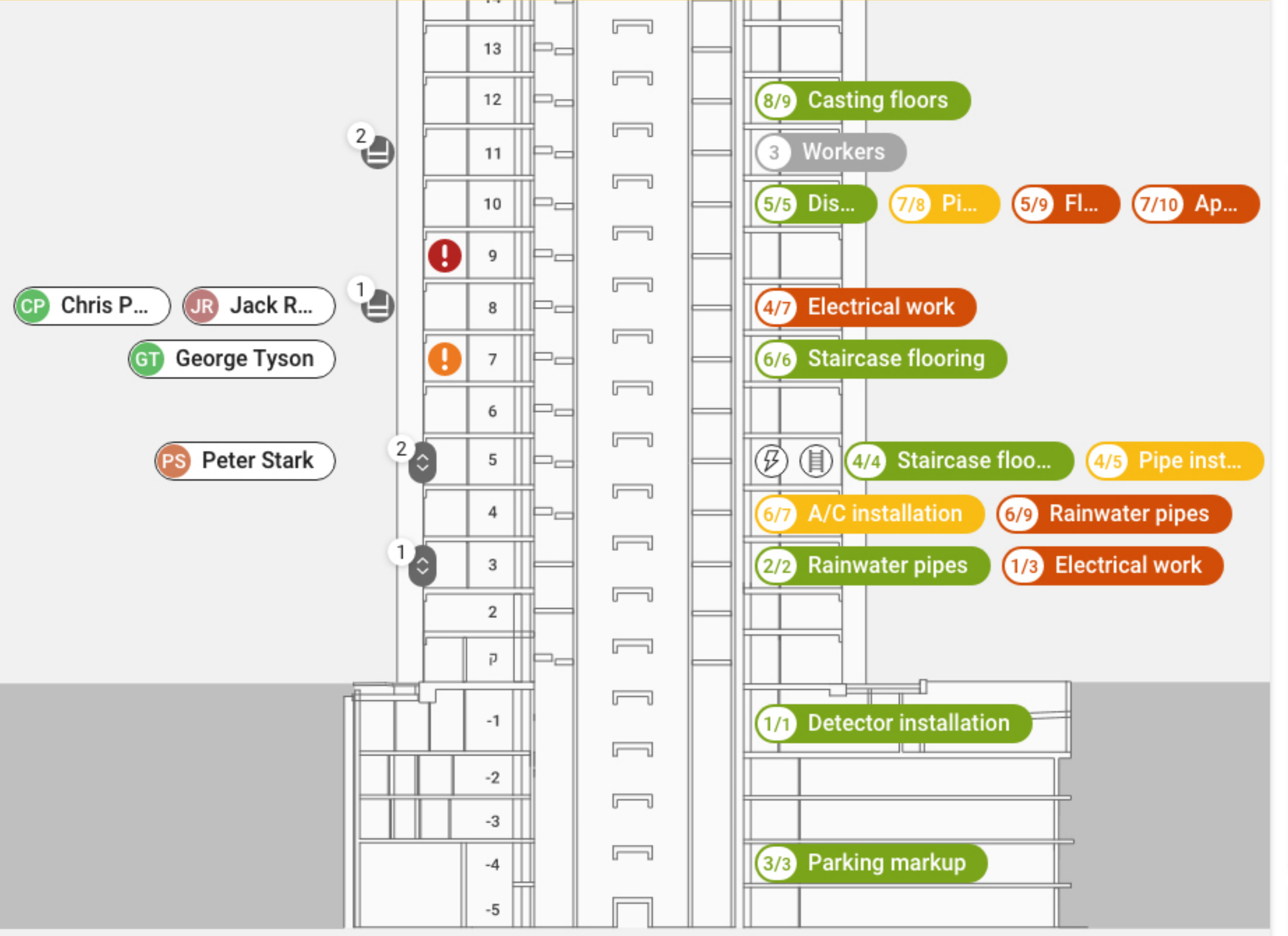
- Show All
- Safety 9
 - Optic 5
 - Electricity 2
 - Power tools 10
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Trades

- Filter Show All
- Daily 4
 - Earth Moving 7
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 - Aluminium 5
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 - Air Conditioning 4
 - Heating 9

TRADES ACTIVITIES

As Planned Partial Deficient



Preparation area

Managers

- SH Samuel hardy
- DR Daniel Rad

Trades and equipment

- 4 Daily
- 1 Insulation
- 7 Framing
- Ladder
- Generator
- Water pump

News Feed

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Attention Points

Add an attention point +

Today

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13.04

- Concrete Floor 3 CP
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Safety

Live

- Covid social distance Floor 7 Insulation
- Works over an elevat... Floor 9 Landscaping

Resolved

- Unidentified employ... Floor 10 Daily



Capabilities 能力

Site Safety Alert System

现场安全警报系统

Trusstor enables safety supervision by **monitoring** the working methodology and providing **real-time alerts**.

- 通过监控工作方式并提供实时警报实现工地安全监督





Capabilities 能力

Smart Reports 智能报告

Simple and efficient **automated** smart reports to better **convey data**.

- 通过简单高效的自动化智能报告，让数据受更好的传达



- Project Monitor
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Combined Summary

[Export Data](#)

Dates

Daily Period
 < 30.08.20 - 04.09.20 >

Managers

- Filter Show All
- SH Project manager **Samuel Hardy**
 - CP Project engineer **Chris Peek**
 - GT Project engineer **George Tyson**
 - JK Project engineer **Josh Kena**
 - PS Foreman **Peter Stark**

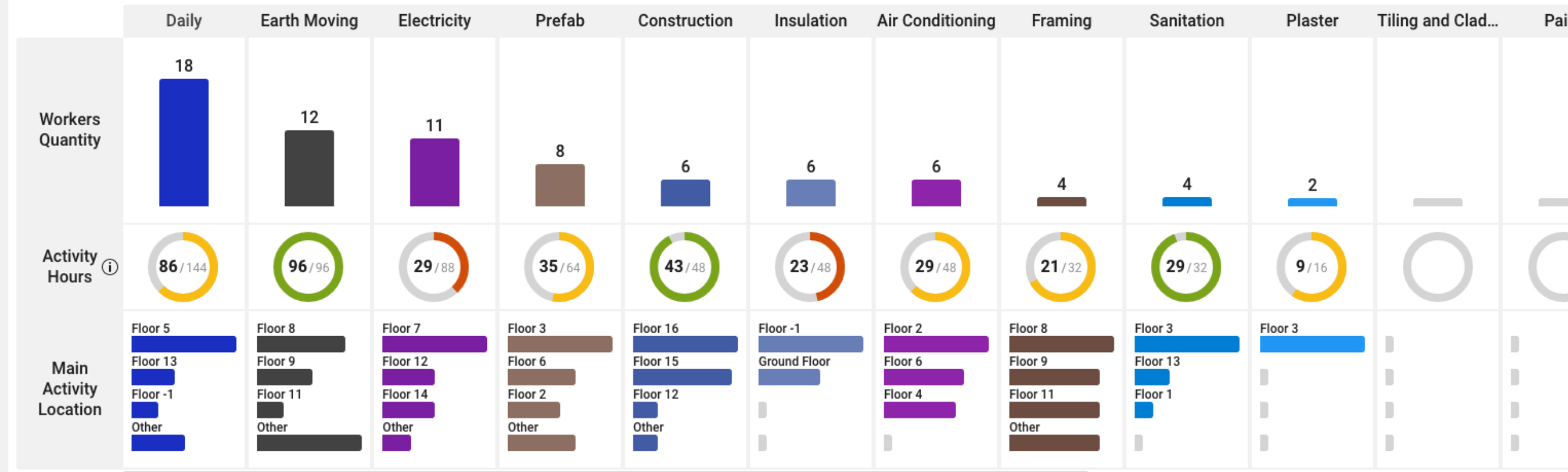
Trades

- Filter Show All
- Daily
 - Earth Moving
 - Prefab
 - Construction
 - Insulation
 - Framing

Floors

Floor Show All

Presence of activity resources



Activities

Trade	Location	Activity Plan/Execution	Workers Today Plan/Execution	Hours Today Plan/Execution	Manager
Daily	Floor 13	11/4 Interior walls 65hrs / 160hrs	1/5	7/40	CP Chris Peek
	Floor 5	14/4 Installing rails 45hrs / 60hrs	8/8	46/48	PS Peter Stark
Electricity	Floor 7	13/4 Installing electric sockets 25hrs / 120hrs	3/5	12/40	GT George Tyson
Prefab	Floor 3	13/4 Installing electric sockets 108hrs / 120hrs	4/3	30/24	JK Josh Kena

Safety

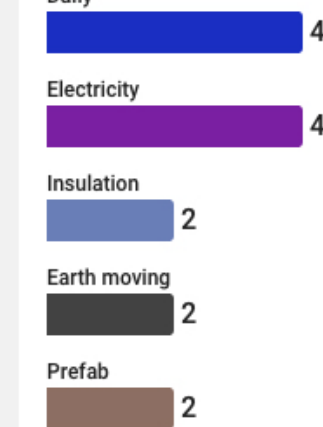
Issues distribution



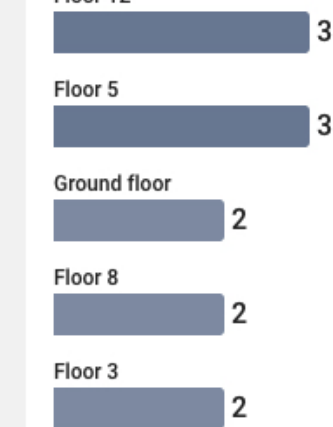
What (Common issues)

- Alerts**
 - Covid social distance: 3
 - Unauthorized elevator use: 1
 - Passing over shaft: 1
- Warnings**
 - Worker without helmet: 5
 - Worker without harness: 3
 - Unaccompanied guest: 1

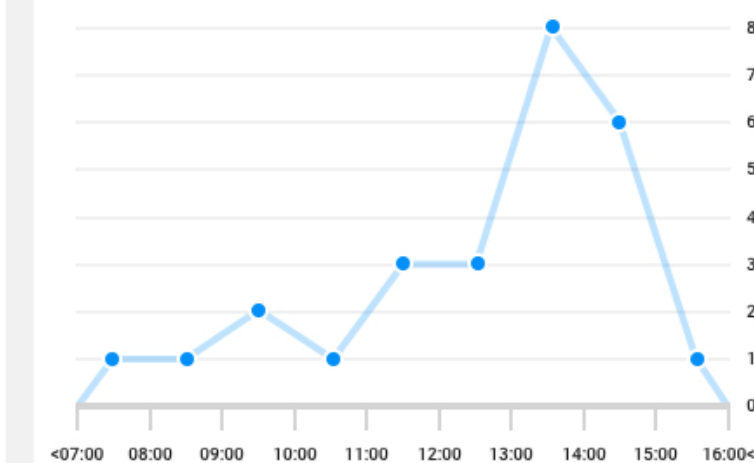
Who (Issues quantity by trades)



Where (Issues quantity by floors)



When (Issues quantity by hour)



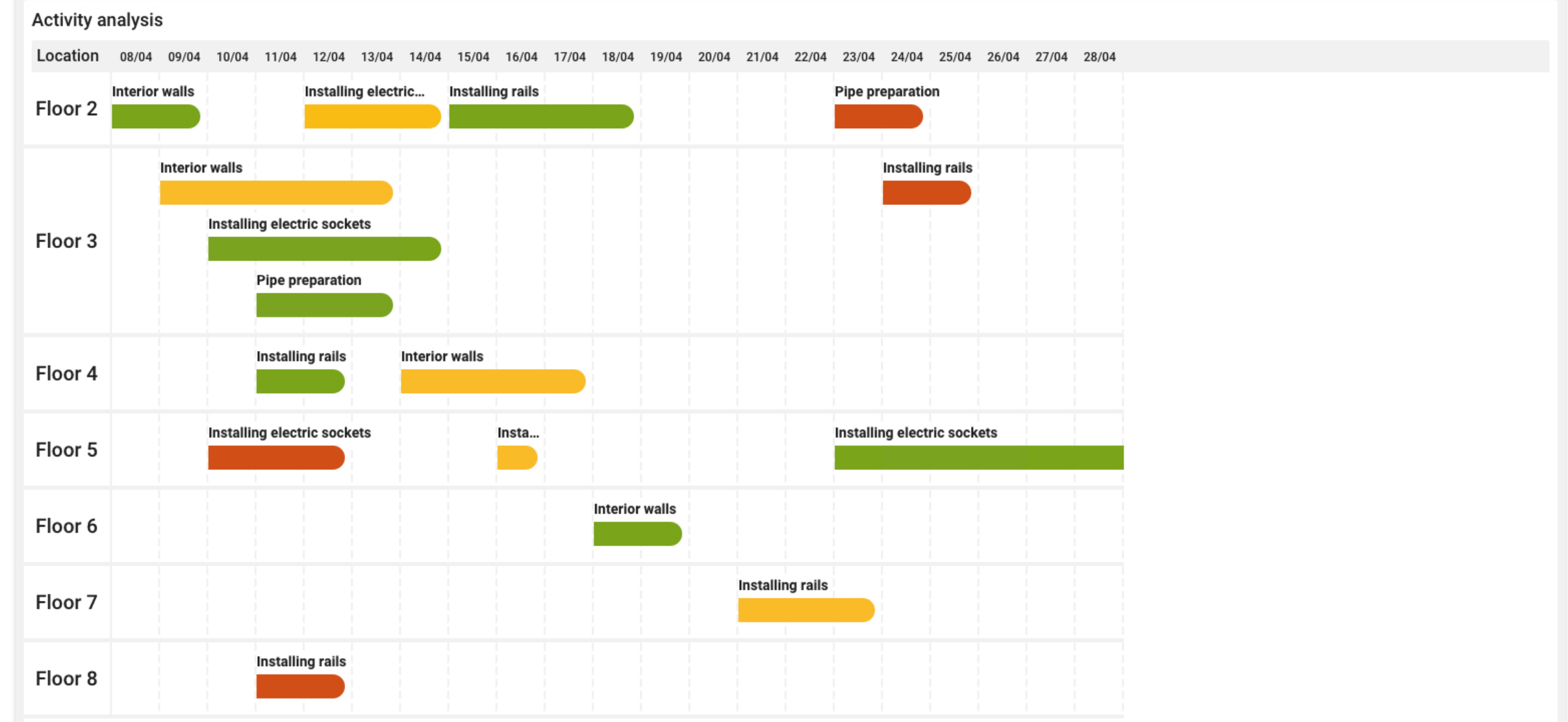
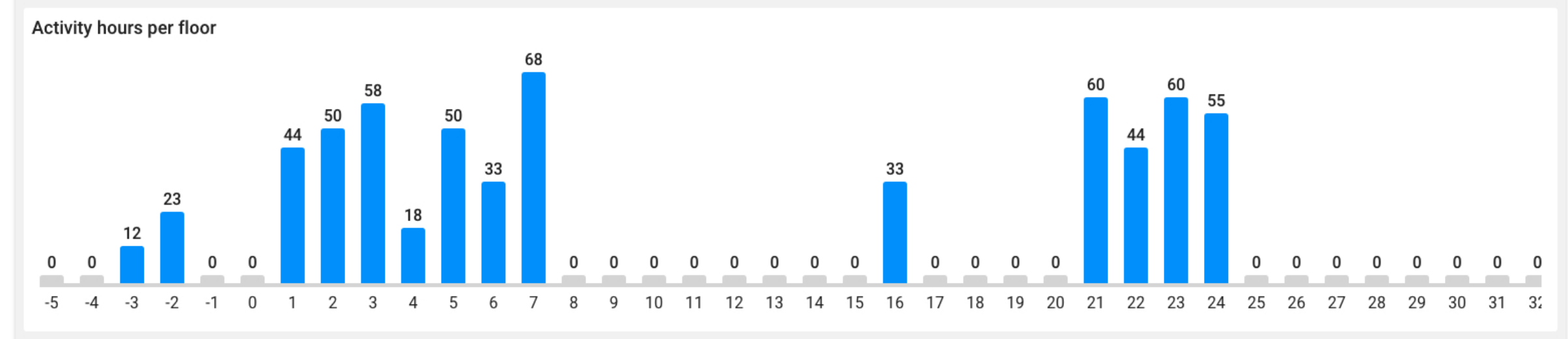
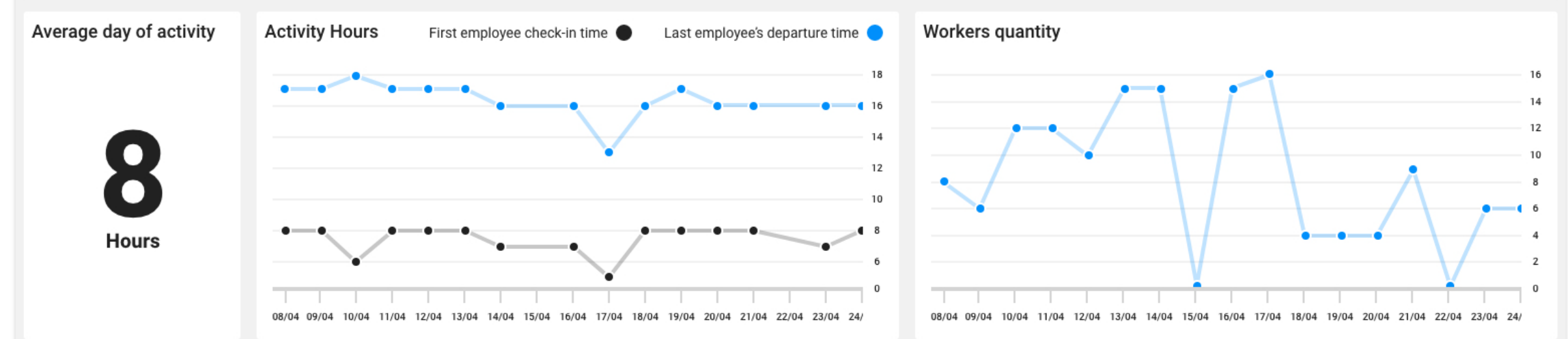
- Project Monitor
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Periodic analysis for the contractor Export Data

Dates
 < 08.04.20 - 28.04.20 >

Trades
 Daily

Distribution of activity resources												
	08/04/20	09/04/20	10/04/20	11/04/20	12/04/20	13/04/20	15/04/20	16/04/20	17/04/20	18/04/20	19/04/20	20/04/20
Activity Hours	68	35	34	29	27	24	20	19	19	68	68	6
Percentage of activities Planned in practice	60%	80%	48%	79%	66%	86%	48%	89%	86%	48%	49%	72%



- Project Monitor
- Admin Panel
- Workplan
- Summaries
- Settings
- Log out

Analysis of Activities and Employees

Export Data

Dates
Daily | Period
08.04.20 - 16.04.20

Sort by
Trades | Floors

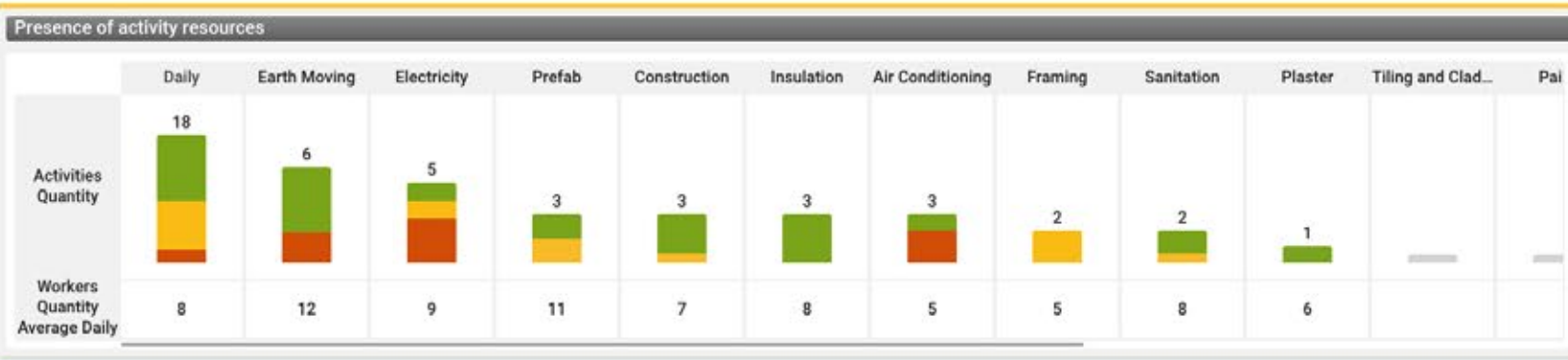
Managers
Filter | Show All

- Project manager: Samuel Hardy
- Project engineer: Chris Peek
- Project engineer: George Tyson
- Project engineer: Josh Kena

Trades
Filter | Show All

- Daily
- Earth Moving
- Prefab
- Construction

Floors
Filter | Show All



Activities

Trade	Location	Activity Plan/Execution	Number of Workers Average Daily Plan/Execution	Activity Hours Average Daily Plan/Execution	Manager
Daily	Floor 12	8/4 Interior walls (25hrs)	3/5	12/40	Chris Peek
	Floor 7	10/4 Pipe preparation (100hrs)	4/3	30/24	George Tyson
	Floor 7	8/4 Installing rails (45hrs)	8/5	46/48	Peter Stark
	Floor 6	11/4 Installing rails (65hrs)	1/5	7/40	Chris Peek
	Floor 5	8/4 Installing rails (65hrs)	6/7	36/42	George Tyson
	Floor 2	10/4 Installing rails (30hrs)	5/6	28/36	Peter Stark
	Ground Floor	8/4 Pipe preparation (72hrs)	3/5	12/40	Chris Peek
	Floor -1	10/4 Installing rails (50hrs)	4/5	36/40	George Tyson
	Earth Moving	Floor 15	8/4 Interior walls (25hrs)	3/5	12/40
Floor 8		10/4 Pipe preparation (100hrs)	4/3	30/24	George Tyson
Floor 7		8/4 Installing rails (45hrs)	8/5	46/48	Peter Stark
Ground Floor		11/4 Installing rails (7hrs)	1/5	7/40	Chris Peek
Floor -1		8/4 Installing rails (65hrs)	6/7	36/42	George Tyson
Floor -2		10/4 Installing rails (30hrs)	5/6	28/36	Peter Stark
Electricity	Floor 22	8/4 Installing electric sockets (25hrs)	3/5	12/40	Chris Peek
	Floor 14	10/4 Installing electric sockets (100hrs)	4/3	30/24	George Tyson
	Floor 14	8/4 Installing electric sockets (72hrs)	3/5	12/40	Peter Stark
	Floor 6	11/4 Installing electric sockets (7hrs)	1/5	7/40	Chris Peek
	Ground Floor	8/4 Installing electric sockets (25hrs)	3/5	12/40	George Tyson

Weekly Activities Summary - 12/04/2020 - 17/04/2020 (last updated: Wednesday 16/04 at 12:00hrs)

Weekly Activity Summary

Export Data

Sort by

Trades Floors

Dates (weekly)

< 12.04.20 - 17.04.20 >

Managers

Filter Show All

SH Project manager Samuel Hardy

CP Project engineer Chris Peek

GT Project engineer George Tyson

JK Project engineer Josh Kena

Trades

Filter Show All

Daily

Earth Moving

Prefab

Construction

Insulation

Floors

Floor Show All

Trades	Sunday 12.04.20	Monday 13.04.20	Tuesday 14.04.20	Wednesday 15.04.20	Thursday 16.04.20	Friday 17.04.20
Plaster	Floor 7 - Plaster works	Floor 7 - Plaster works				
Daily	Floor 7 - Plaster works Floor 7 - Closing Internal...		Floor 7 - Plaster works Floor 7 - Closing Internal...		Floor 7 - Internal walls	
Earth Moving						
Prefab						
Construction	Floor 3 - Internal walls	Floor 3 - Internal walls	Floor 3 - Internal walls	Floor 3 - Internal walls	Floor 3 - Internal walls	Floor 3 - Internal walls
Insulation	Floor 1 - Balcony insulat...	Floor 1 - Balcony insulat...	Floor 1 - Balcony insulat...			
Framing		Floor 2 - Door Frames	Floor 2 - Windows Frames	Floor 2 - Windows Frames	Ground floor - Door Fram...	
Sanitation	Floor 5 - Water pipes	Floor 5 - Water pipes	Floor 5 - Water pipes	Floor 5 - Water pipes		



Capabilities 能力

COVID-19 疫情下

Trusstor is committed to **protecting** the health and safety of all site personnel, enabling **social distancing** and **epidemiologic inquiry** features.

- 致力保护工地所有人员的健康和安安全全，系统有社交距离和流行病学调查的功能

Gathering Summary - 16/04/2020 (last updated: Thursday 16/04 at 19:00hrs)

Export Data

Dates (daily)

< 16.04.20 >

Floors

Floor Show All

Trades

Filter Show All

Daily

Earth Moving

Prefab

Construction

Electricity

Framing

Sanitation

Air Conditioning

Plaster

Tiling and Cladding

Paint

Aluminium

Reinforced Concrete

Masonry

Covid-19 summary

Gathering diary

Time	Duration	Floor	Area	Crowding allowed	Participants
10:35	12 min	7th floor	702	5	3 Electricity 4 Reinforced Concrete
10:55	8 min	3rd floor	300	3	6 Daily
11:23	23 min	14th floor	1402	5	2 Plaster 4 Earth Moving
11:36	5 min	2nd floor	205	3	2 Electricity 4 Air Conditioning
11:58	9 min	Ground floor	-	8	4 Reinforced Concrete 6 Aluminium
12:10	18 min	7th floor	704	5	2 Earth Moving 4 Daily
13:08	15 min	Preparation area	-	10	2 Fra... 3 Sa... 3 Pai... 4 Da... 4 Til...
13:29	32 min	12th floor	1202	5	9 Masonry
13:44	7 min	9th floor	906	5	6 Prefab
13:59	5 min	9th floor	906	5	3 Earth Moving 6 Prefab
14:33	6 min	6th floor	603	3	4 Aluminium
15:48	3 min	8th floor	801	5	4 Electricity 4 Daily
16:16	18 min	10th floor	1000	5	7 Plaster



Impact 正面影响

- **Achieving goals and cutting budgets.**
达成目标并减少预算
- **Prevent delays in schedules and save substantial financial costs.**
防止既定计划的延误并节省可观的财务费用
- **Accelerated response time to unplanned events.**
加快针对计划外事件的反应时间
- **Short cycles for drawing conclusions.**
缩短得出总论的周期
- **Better risk assessment management.**
更好的风险评估管理

Testimonials 客户证言



“Being able to get a real-time status of a site is a major milestone in the process of becoming a leading construction company. Trusstor helps us meet schedules and budgets all while making the site a safer place.”

能够获得工地的实时状态是成为一间领先建筑公司的重要里程碑。Trusstor帮助我们按计划 and 预算工作，也让工地成为一个更安全的地方

Guy Shem-Tov, Chief engineer - Electra 总工程师



Ready to boost your sites?
准备好推进您的工地了吗?

Join us!

加入我们！

✉ omri@trusstor.com

☎ +972-54-8010819