

Why Projects Fail

Enabling Efficient Project Communication

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Who We Are?

Synami is a company that specializes in developing innovative project management software since 2003

- ▶ Products trusted by 6+ million users and over 4,500 companies, ranging from micro-companies to some of the leading Fortune 500 enterprises
- ▶ ScheduleReader
- ▶ ScheduleCleaner
- ▶ PPM Core – the latest addition to Synami's growing product portfolio



Today's Focus on

Project Management in Construction Industry

Challenges and Opportunities

Why Construction Projects Fail



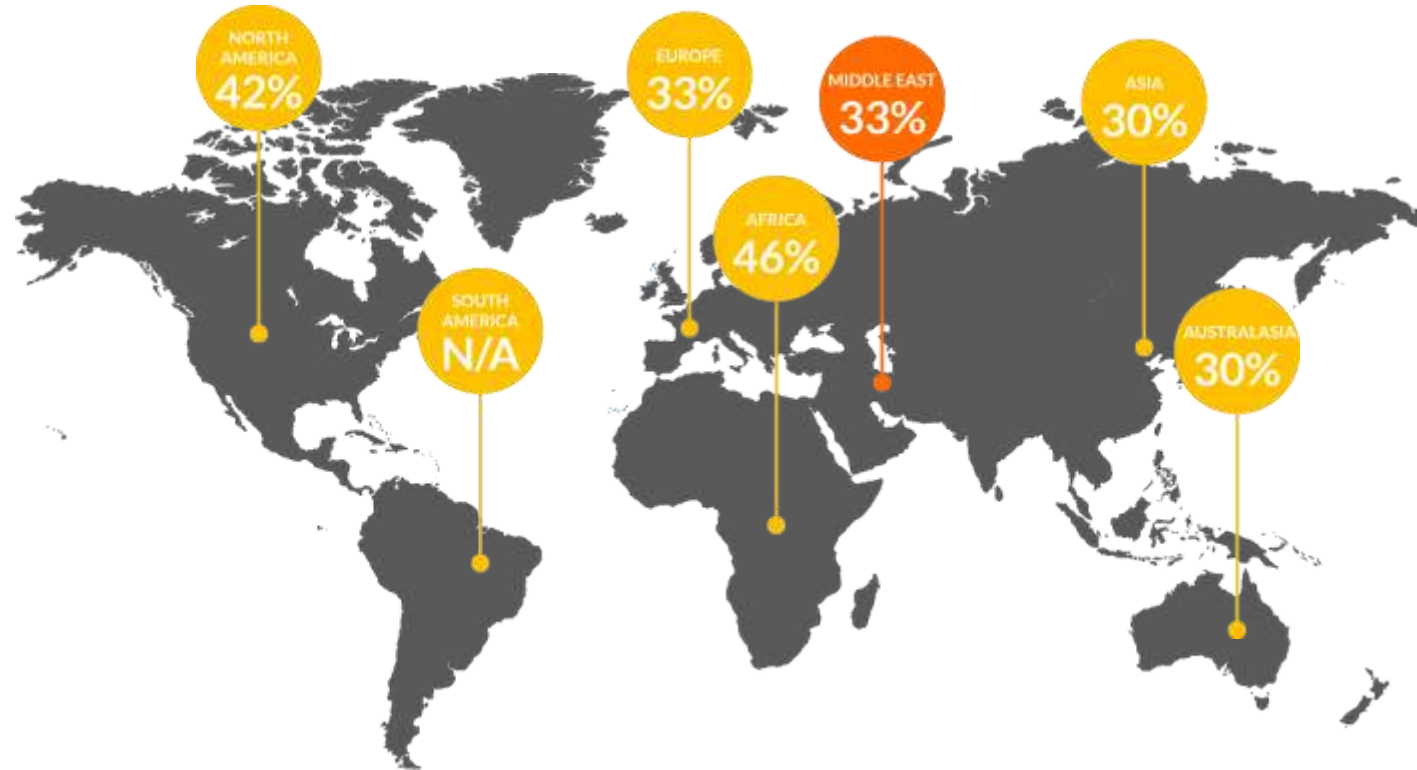
Project Challenges

Project management is a dynamic field that continuously evolves to adapt to changing business environments, technologies, and best practices. The challenges are:

- ▶ **Digital Transformation**
- ▶ **Agile and Hybrid Approaches**
- ▶ **Remote and Distributed Teams**
- ▶ **Risk Management**
- ▶ **Sustainability and Environmental Concerns**
- ▶ **Stakeholder Engagement**
- ▶ **Data-Driven Decision-Making**
- ▶ **Diversity and Inclusion**



Success Rate of Construction and Engineering Projects



Success Rate by Location

www.consultancy.uk/news/24677



Why Projects Fail?

Common causes of project failures:

- ▶ Poor planning
- ▶ Ineffective communication
- ▶ Inadequate resource allocation
- ▶ Unforeseen challenges
- ▶ Lack of contingency plan
- ▶ Poor budgeting and schedule management
- ▶ Inadequate HR

Success Rate by Sector



Common Challenges of Construction, Oil & Gas and Civil Infrastructure Industries

- ▶ **Project Management and Scheduling**
- ▶ **Technological Advancements**
- ▶ **Funding and Budget**
- ▶ **Constraints and Cost Overruns**
- ▶ **Investor and Stakeholder Pressure**
- ▶ **Safety Concerns**



How Do We Track Projects Today

- ▶ **Scope stream** focuses on the time frame of the entire project and its sub-items as well as on the resources and contractors allocated on different project stages
- ▶ **The financial stream** is separated from the scope stream and puts its effort into the financial dimension of the project

Real-life Customer Use Case

Overview

- ▶ The organization is extending the Project due date for additional 3 to 4 years
- ▶ The organization does not use digital technology extensively, except for a few people who are not very experienced in planning and scheduling



Challenges

Monthly reporting cycle with analysis and reports as PDF printouts

- ▶ A standard deck of 450 PDFs is generated and distributed by the scheduling team each month
- ▶ Additional ad-hoc PDFs are created for specific needs, workshops, and interim meetings between reporting periods
- ▶ Anticipating an increased workload, a monthly output of 1000 PDFs within the next three months is predicted

Storage and distribution of PDF documents

- ▶ PDFs for the ongoing reporting period are stored on a SharePoint platform in a predefined folder structure
- ▶ Ad-hoc PDFs are distributed via email

Key Challenge - Communication and Exchange of Information!



Activity ID	Activity Name	Start	Finish	Actual Duration	Activity Status	Duration Type	Project ID	Project Status
City Center Office Building Addition								
Mechanical/Electrical Systems								
EC1190	Prepare and Solicit Bids for Heat Pump	14-Apr-11 A	04-May-11	11	In Progress	Fixed Duration and Units/	EC00515	Active
Exterior Finishes								
EC1260	Award Contract for Brick	21-Apr-11 A	05-May-11	6	In Progress	Fixed Duration and Units/	EC00515	Active
Interior Finishes								
EC1170	Prepare and Solicit Bids for Flooring	04-Apr-11 A	06-May-11	19	In Progress	Fixed Duration and Units/	EC00515	Active
Cordova - Plant Expansion & Modernization								
Automated System								
MN1440	Fabricate and Deliver System Controller	02-Mar-11 A	24-Jun-11	43	In Progress	Fixed Duration and Units/	MFG00772	Active
MN1520	Install Temperature Control Equipment	05-Apr-11 A	27-May-11	18	In Progress	Fixed Duration and Units/	MFG00772	Active
Office Building Addition								
MN1230	Fabricate and Deliver Heat Pump and Controls	21-Jan-11 A	30-Jun-11	71	In Progress	Fixed Duration and Units/	MFG00772	Active
MN1550	Floor Decking	22-Apr-11 A	20-May-11	6	In Progress	Fixed Duration and Units/	MFG00772	Active
Red River - Refuel Outage								
A1280	E-102 Remove Floating Head	24-Apr-11 A	09-May-11	6	In Progress	Fixed Duration and Units/	NRG00950	Active
A1120	E-101 Inspection of Bundle at Wash Rack	29-Apr-11 A	30-May-11	2	In Progress	Fixed Duration and Units/	NRG00950	Active
A1830	E-201 Hydro Test Shell Side	29-Apr-11 A	03-May-11	4	In Progress	Fixed Duration and Units/	NRG00950	Active
A1940	E-201 Hydroblast Shell & Parts	30-Apr-11 A	04-May-11	4	In Progress	Fixed Duration and Units/	NRG00950	Active
Driftwood - Refuel Outage								
1								
A1370	E-102 Install Channel	09-Apr-11 A	02-May-11	22	In Progress	Fixed Duration and Units/	NRG00910	Active
A1580	E-103 Push Bundle	27-Apr-11 A	15-May-11	3	In Progress	Fixed Duration and Units/	NRG00910	Active
Haitang Corporate Park								
Foundation								
EC1350	Concrete Foundation Walls	15-Apr-11 A	12-May-11	11	In Progress	Fixed Duration and Units/	EC00501	Active
Mechanical/Electrical Systems								
EC1290	Fabricate and Deliver Heat Pump and Controls	22-Feb-11 A	21-Aug-12	49	In Progress	Fixed Duration and Units/	EC00501	Active
Interior Finishes								
EC1310	Fabricate and Deliver Flooring	01-Mar-11 A	13-Feb-12	44	In Progress	Fixed Duration and Units/	EC00501	Active
ACH Integration Project								
Planning Phase								
IT1010	Define Project Charter	01-Apr-11 A	05-May-11	21	In Progress	Fixed Duration and Units/	IT00829	Active
Melrose - Plant Expansion & Modernization								
Automated System								
MN1950	Load System Software	04-Apr-11 A	31-May-11	20	In Progress	Fixed Duration and Units/	MFG00925	Active
Office Building Addition								
MN2000	Drywall in Offices	13-Apr-11 A	20-May-11	13	In Progress	Fixed Duration and Units/	MFG00925	Active
MN2020	Paint Building Interior	26-Apr-11 A	20-May-11	4	In Progress	Fixed Duration and Units/	MFG00925	Active
Conveyor System								
MN1960	Operation Manuals	07-Apr-11 A	02-Sep-11	17	In Progress	Fixed Duration and Units/	MFG00925	Active
Harbour Pointe Assisted Living Center								
Building 1								
EC1240	Third Floor Masonry Structure	12-Apr-11 A	05-May-11	14	In Progress	Fixed Duration and Units/	EC00610	Active
Building 2								
EC1290	Third Floor Slab & Collar Beam	22-Mar-11 A	03-May-11	29	In Progress	Fixed Duration and Units/	EC00610	Active
Garage 2								
EC1180	Fab & Delivery	12-Jan-11 A	10-May-11	78	In Progress	Fixed Duration and Units/	EC00610	Active

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This should be done weekly

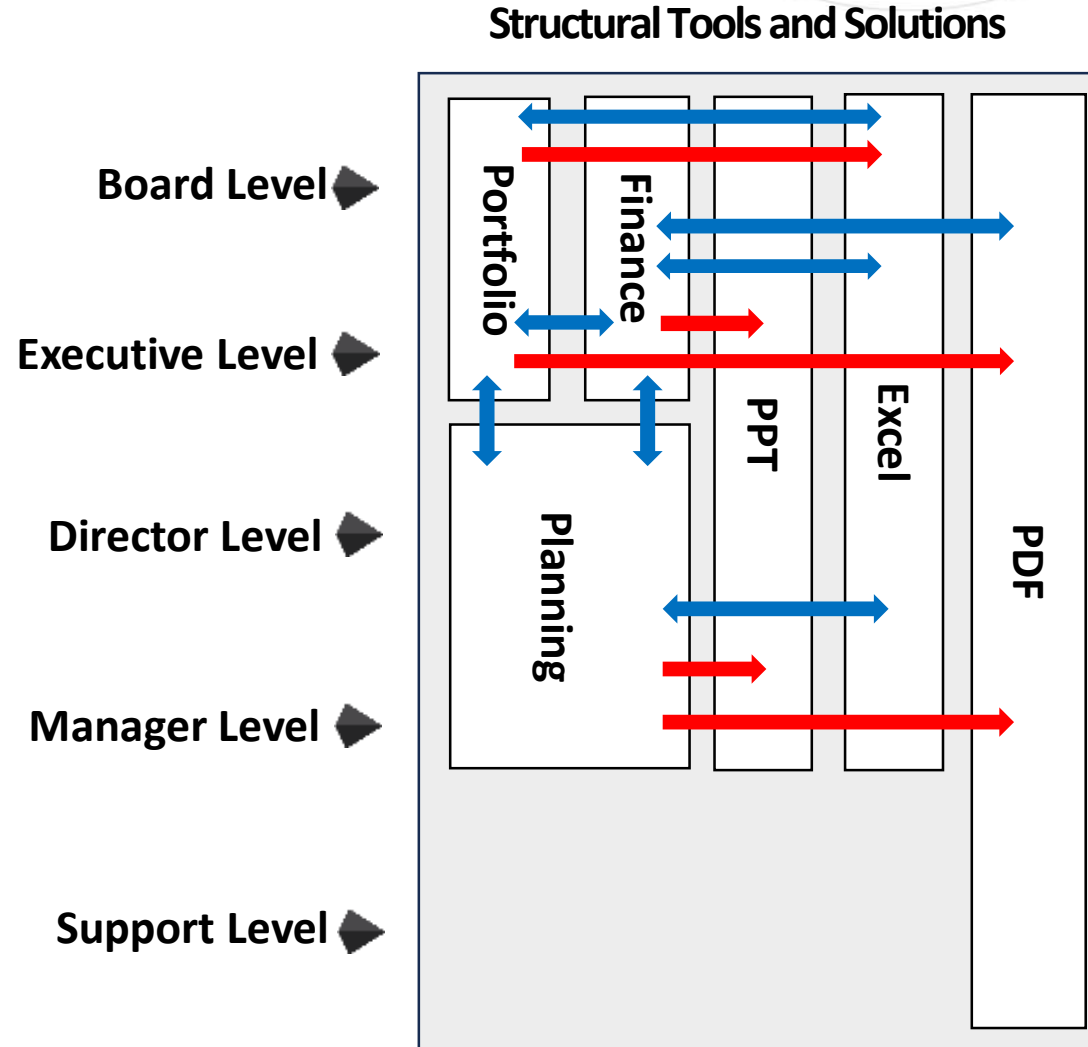
This task should start 4 weeks from now, so that we can have enough time to complete the purchase

Despite being in the 21st century, 90% of the companies are still using PDFs as their greatest communication tool



Locating the Problem

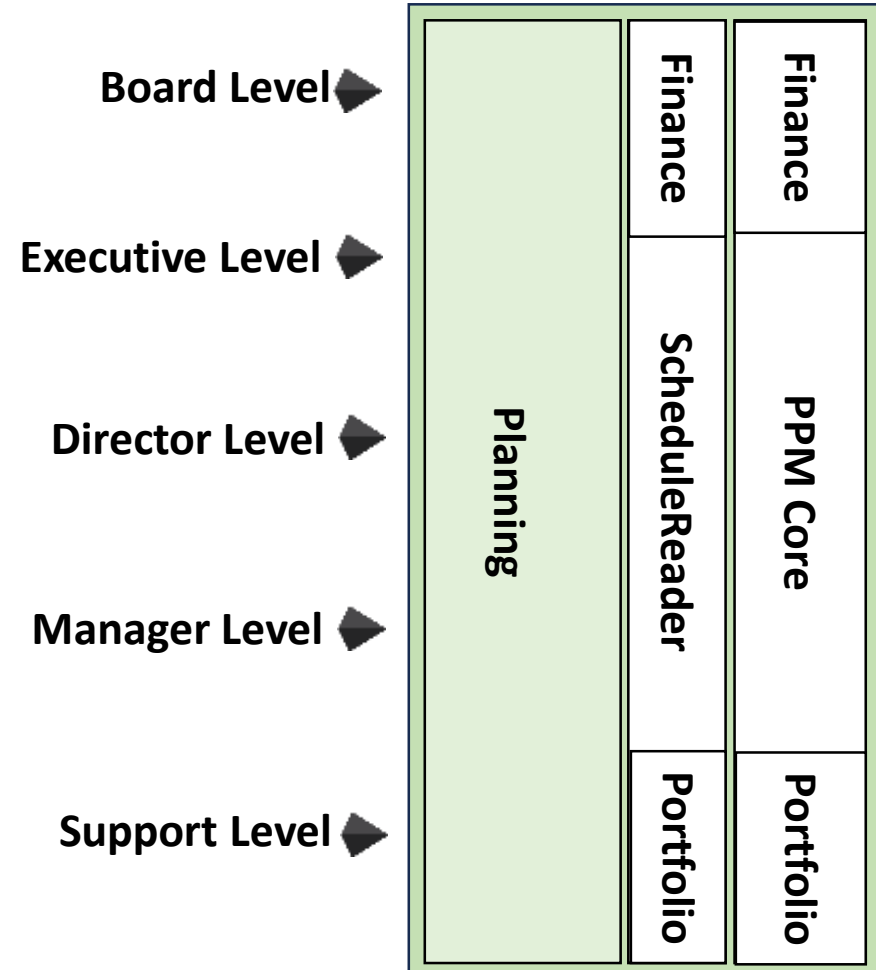
- ▶ One-way communication
- ▶ Exchange of information via email, Excel, PPT, PDF
- ▶ Delegate work tasks, reports and schedules by printing and distributing PDFs
- ▶ Complex communication between planning, portfolio and finance
- ▶ Communication by the support team is done via written notes on the PDFs



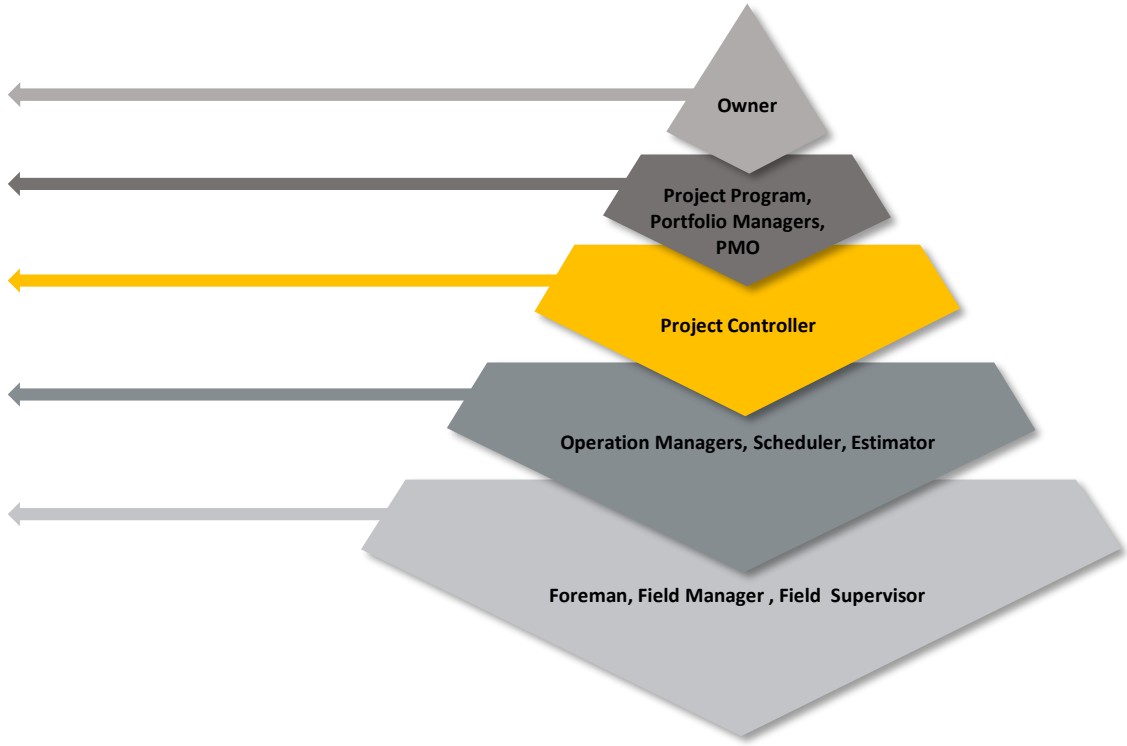
Providing the Solution

- ▶ Simplifying
- ▶ Improving communication at every level
- ▶ Centralized data
- ▶ Automatization of the process for sharing the schedule and the activities
- ▶ Automatization of the process for updating the latest changes in the original database.
- ▶ Complete overview of the Project Progress
- ▶ Ability to track and manage the project via Scope Stream and Finance Stream
- ▶ No more PDF's

Structural Tools and Solutions



What Does ScheduleReader Do for You?





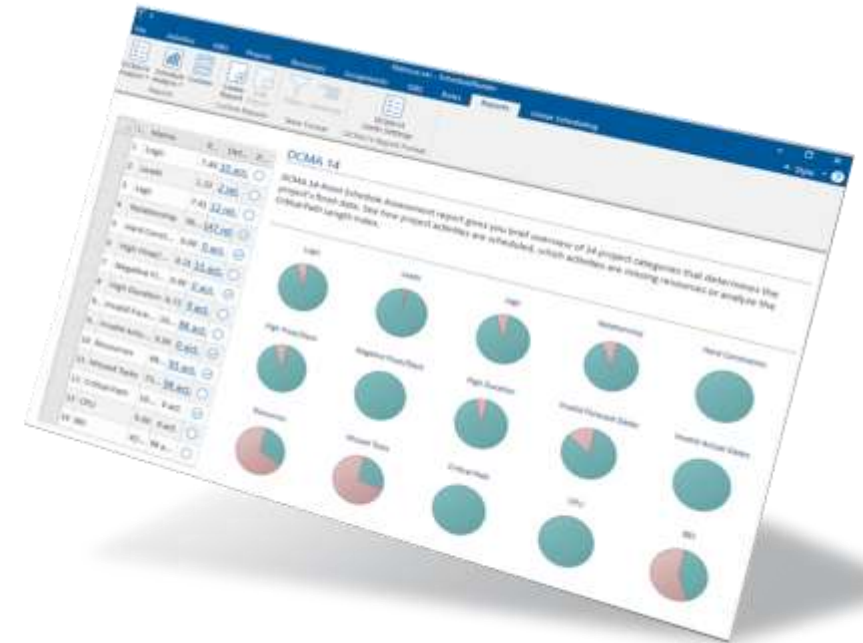
On-premises software that provides dynamic view of schedule data, the ability to keep track of project progress, two-way collaboration channel for project teams, as well as both pre-defined and customized reporting

ScheduleReader

- ▶ Interactive Schedule Overview
- ▶ Views and Layouts
- ▶ Filters
- ▶ Groups and Sorts
- ▶ Analysis and Reports
- ▶ Two-way Collaboration

ScheduleReader Pro

- ▶ Dynamic Graphical Reports and Dashboards
- ▶ Linear Scheduling View
- ▶ Calendar View





Cloud-based Project and Portfolio Management Platform

- ▶ All project data in one place
- ▶ Zero-education schedule viewer
- ▶ Fast and simple view access to project information from anywhere, at any time
- ▶ Transparent cross-organizational and cross-team communication

Empowering seamless collaboration across teams, companies, and projects!





It all ties together in a modern, easy-to-use platform


- ▶ Universal Viewer
- ▶ Project Tracking
- ▶ Project Portfolio Management
- ▶ Financial Cost Module
- ▶ Secure Administration and Permissions





 Portfolio Status	 Fin. Status
 Analyze KPI	 Analyze Risks

Portfolio Module

 View	 Analyze
 Collaborate	

Schedule Module



(Various project teams, contractors and Sub-contractors, team leads, and project coordinators)



 Budget	 Track Progress
 Project KPI	 Project Risks

Project Card Module

 Budget Status	 Manage Costs
 Collaborate	

Finance Module



Company Tenant

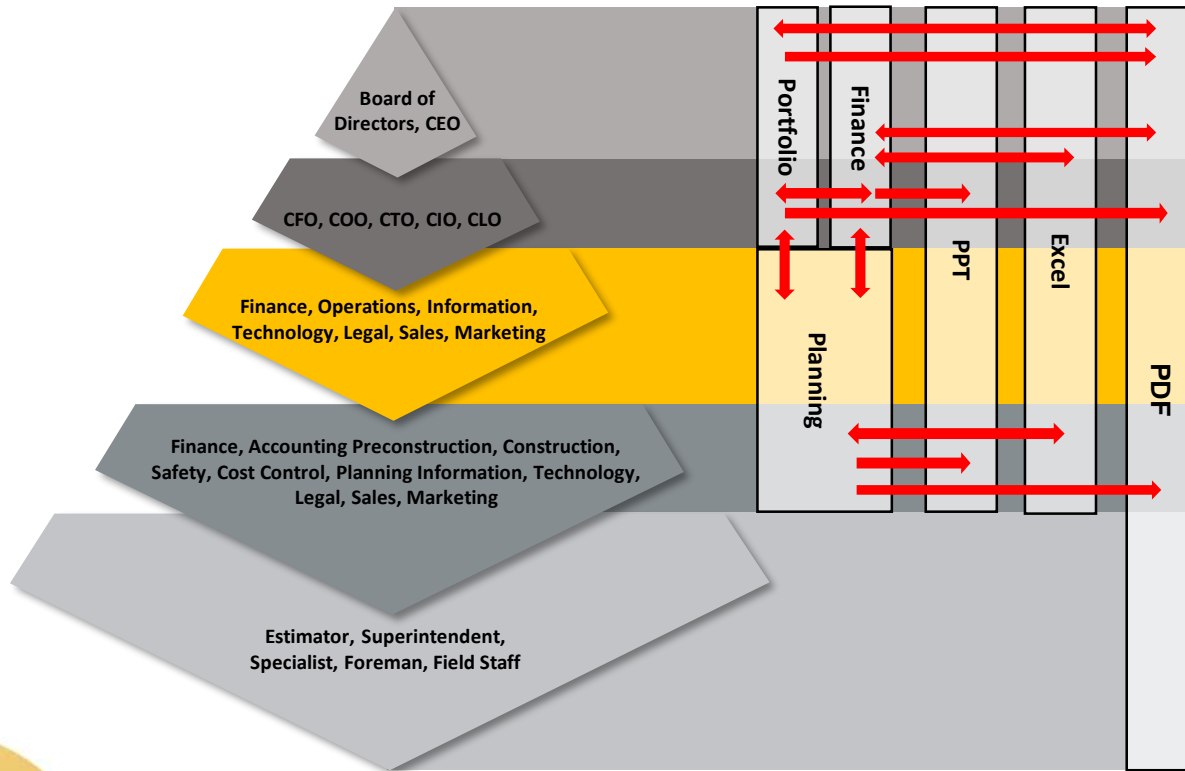
Customer Use Case Result

- ▶ Reducing the number of printed PDFs from 12.000 to 40 yearly
- ▶ Everyone has access to their activity's latest information and schedule
- ▶ 99% improved flow, as well as tracking of communication
- ▶ Centralized database

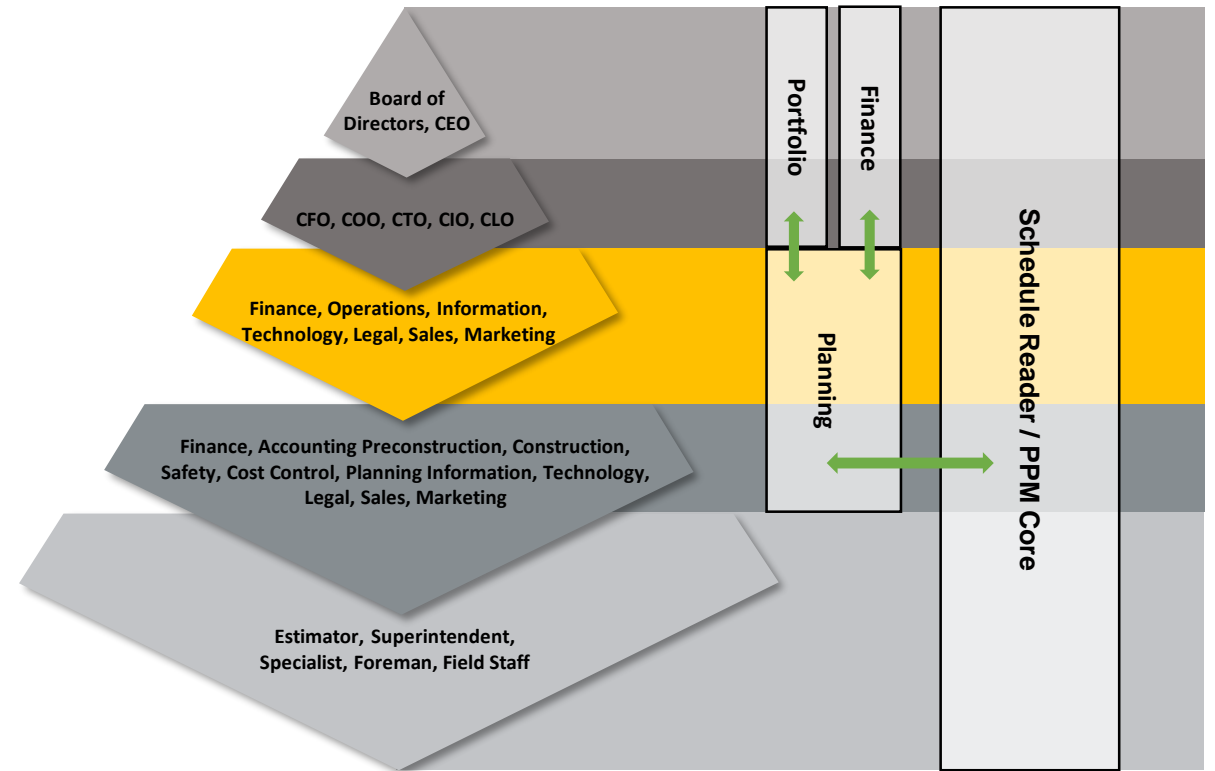
**Positive jump in the success rate of the project
after implementation from 35% to 87%**

Conclusion

Before



After





THANK YOU

