

CE6014  
PROJECT PROGRESS REPORT  
TITLE:  
SOFTWARE SOLUTIONS FOR DOCUMENT  
SHARING AND COMMUNICATION IN  
CONSTRUCTION SME'S



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# PROBLEM DEFINITION

Current challenges facing SME's in the AEC industry:

- ❖ Aging IT Infrastructure
- ❖ Recording and tracking the flow of information
- ❖ Changes in design modifications
- ❖ Availability of maintenance information
- ❖ Implementation issues
- ❖ Poor communication
- ❖ Lack of IT knowledge
- ❖ Fragmented process in SME's



# PROBLEM OBJECTIVES

- ✓ Assessment of existing data management structure
- ✓ Remove complexities introduced by traditional structure
- ✓ Identify document sharing and communication tool suited for construction sme's
- ✓ Identify efficiency opportunities
- ✓ Simplify project management and team communication

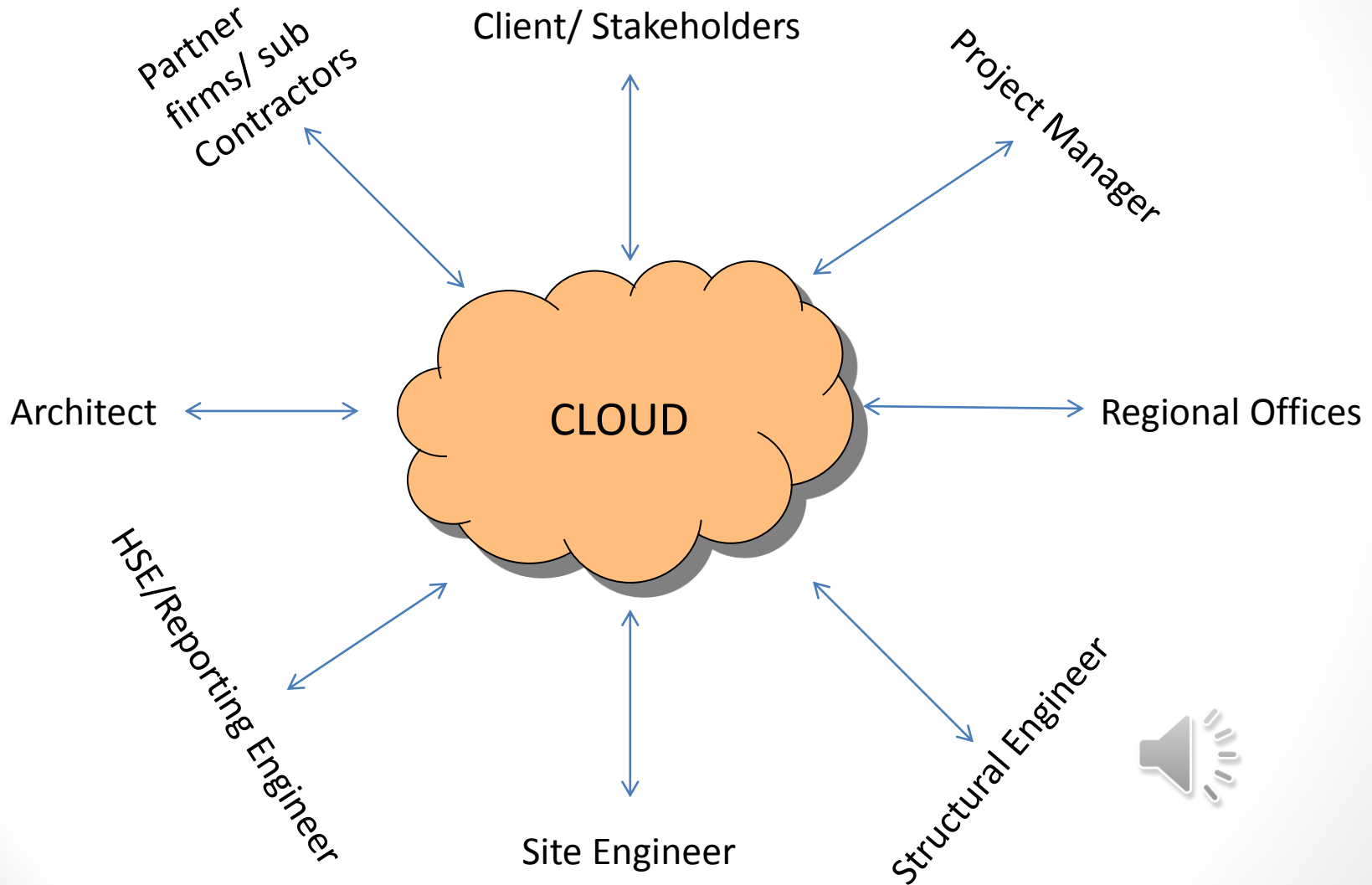


# PROPOSED SOLUTION

- Establish a more centralized and efficient cloud based document sharing system easily accessible to all parties involved
- Transfer company data from intranet to a cloud based solution
- Implement Service and deployment models that suite construction SME's



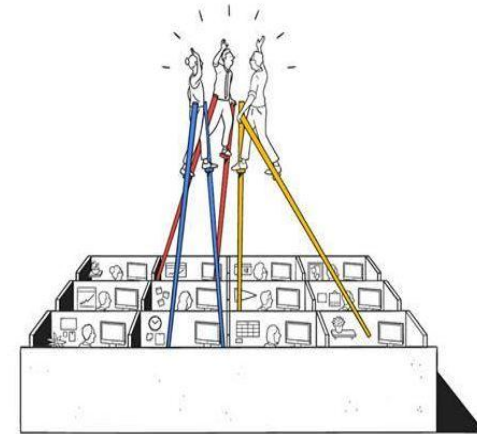
# CLOUD COMPUTING



# BENEFITS & CONCERNS FOR AEC

## BENEFITS:

- ✓ USABILITY
- ✓ COST
- ✓ STORAGE CAPACITY
- ✓ ACCESSIBILITY
- ✓ PORTFOLIO RESOURCE ALLOCATION
- ✓ SUPPORTS VARIOUS FILE TYPES AND APPLICATIONS
- ✓ REMOTE CONNECTIONS FOR TEAMS ACROSS MULTIPLE LOCATIONS



## CONCERNS:

- ❖ SECURITY
- ❖ LOSS OF CONTROL
- ❖ CONNCETIVITY AND SPEED
- ❖ LACK OF STANDARDS



# OUTLINE OF FINAL REPORT

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\*All subject to change



# FUTURE STEPS

- Use case analysis
- Policies on sharing
- Compare current use of technology by various companies
- Continue research
- Finalize project structure





# Thanks for listening

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