

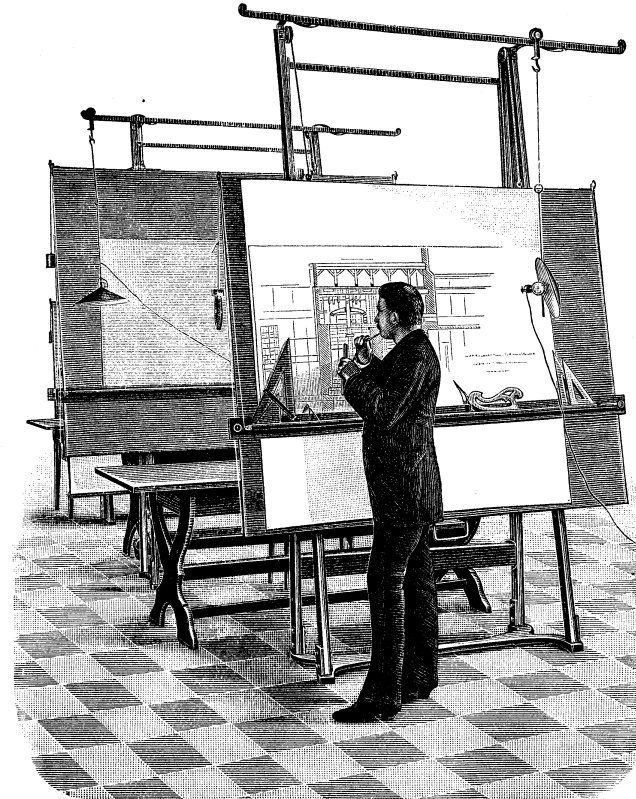


# The Future of BIM - the Merge of BIM and Project Management

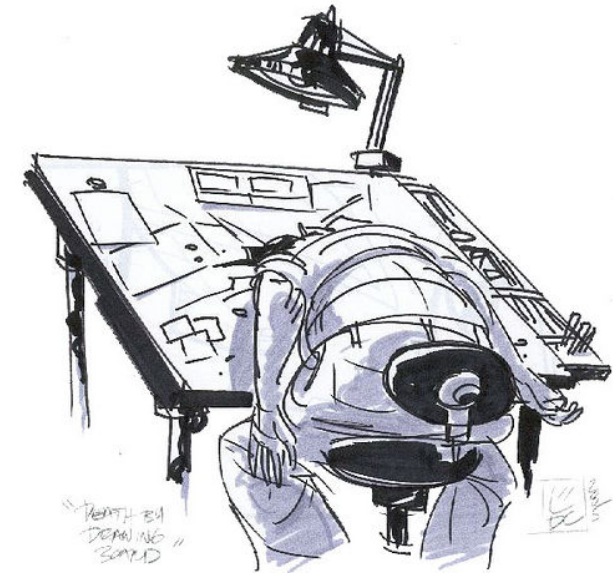
**Galina Kaloyanova**

BIM Angels

# ROMANTIC PAST

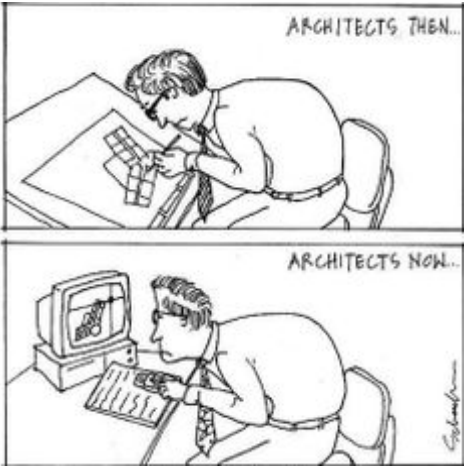


Was it really?





# ARCHITECTURAL OFFICES NOW



Is this what we want?

NEW TOOLS, SAME SLOUCH



I DON'T KNOW IF STAN'S DONE THE MODEL REVISIONS BUT, THANKS TO TWITTER, I KNOW HIS CAT IS FEELING BETTER



# CHALLENGES

PROJECT MANAGEMENT

≠

BIM MANAGEMENT

2D GRAPHICS

or/AND

3D MODEL

CREATIVE

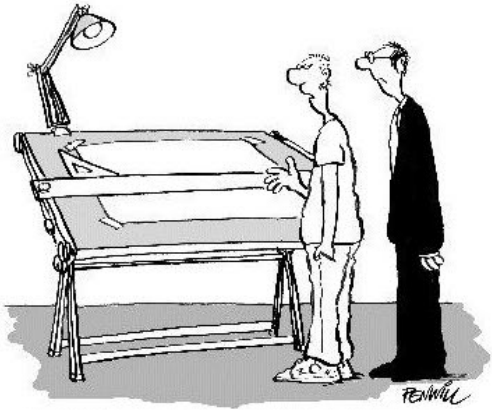
or/AND

TECHNICAL

COMPETITION

or/AND

COOPERATION



*"I haven't much experience of such an early version of AutoCAD."*



PROJECT MANAGEMENT = BIM MANAGEMENT?



# CASE STUDY 1

## APPROACH

CONSTRUCTION  
MANAGEMENT

CLIENT DRIVEN 1<sup>ST</sup>  
ATTEMPT FOR BIM  
IMPLEMENTATION

FLAT STRUCTURE

BIM CONSULTANTS  
WITH ARCHITECTURAL  
BACKGROUND

## STRENGTHS

BIM EXPERTS PART OF  
DESIGN AND DECISION-  
MAKING PROCESS

INTERNAL TRAINING ON  
LIVE PROJECT

SHARED  
RESPONSIBILITIES

OPPORTUNITY FOR  
CREATING COMPANY  
DATABASE

## WEAKNESSES

PROGRAMME BASED  
ON TRADITIONAL CAD  
DELIVERABLES

NO BIM MANAGER &  
BIM PROTOCOL

BUILT-IN INTELLIGENCE  
MONITORING  
DIFFICULTIES

NOT CLEAR ENOUGH  
BIM STRATEGY

## RESULTS

SETTING UP ON TIME  
AND BUDGET

DATABASE CREATED  
FOLLOWING COMPANY  
STANDARDS

RELIABLE INFORMATION

COORDINATION  
ISSUES



# CASE STUDY 2

## APPROACH

CONSTRUCTION  
MANAGEMENT

CLIENT DRIVEN BIM  
IMPLEMENTATION

TRADITIONAL  
HIERARCHICAL  
STRUCTURE

BIM MANAGER & BIM  
COORDINATORS

## STRENGTHS

SAME CLIENT & SIMILAR  
PROJECT

EXISTING DATABASE &  
PART OF THE TEAM  
TRAINED FROM THE  
PREVIOUS PROJECT

BIM MANAGER  
APPOINTED

EXECUTIVE PLAN  
INTRODUCED

## WEAKNESSES

SAME AS IN THE FIRST  
CASE + ADDITIONAL

EXECUTIVE PLAN &  
DATABASE NOT USED

BIM MANAGER  
RESPONSIBLE ONLY FOR  
SOFTWARE ISSUES

SOFTWARE CENTERED  
BIM STRATEGY

## RESULTS

INITIAL MOMENTUM  
LOST

CHAOTIC DATABASE

SUBSTANTIAL  
EMERGENCY EXPERTISE  
GAINED

OVEREXPANDED TEAM –  
COORDINATION  
ISSUES



# CASE STUDY 3

## APPROACH

DESIGN BUILD

CLIENT DRIVEN BIM IMPLEMENTATION

TRADITIONAL HIERARCHICAL STRUCTURE

BIM MANAGER + EXTERNAL BIM CONSULTANTS

## STRENGTHS

DREAM TEAM

LATEST VERSIONS OF RELEVANT SOFTWARE

INTERNAL TRAINING & SELF EDUCATION

OPPORTUNITY FOR BUILDING UP COMPANY DATABASE

## WEAKNESSES

MANAGERS NOT INVOLVED IN BIM PROCESS

BIM EXPERTS NOT PART OF DESIGN & DECISION-MAKING PROCESS

LACK OF COMMUNICATION

PROGRAMME NOT ALIGNED

## RESULTS

PROFESSIONAL INITIAL SET-UP

HIGHLY DETAILED MODELLING

COORDINATION ISSUES & REPEATED WORK

MODEL INTELLIGENCE NOT HARNESSSED



# OUTCOMES

- ✓ BIM AS A BUSINESS STRATEGY
- ✓ MANAGEMENT INVOLVEMENT IN BIM PROCESS
- ✓ FLAT STRUCTURE
- ✓ BIM EXPERTS PART OF THE DECISION–MAKING PROCESS
- ✓ TEAM MEMBERS PERSONAL RESPONSIBILITY
- ✓ SHARING “WORK IN PROGRESS” MODELS
- ✓ INTERNAL CONTINUOUS TRAINING ON LIVE PROJECTS & SELF EDUCATION





# POSSIBLE FUTURE?

DOES THE ORCHESTRA  
NEED A CONDUCTOR?



EVERYONE  
COULD WORK  
FROM THEIR  
...CLOUD?



# SHARED WISDOM



If what you're doing over and over  
is getting you nowhere, maybe  
it's time to try something different.

[happinesinyourlife.com](http://happinesinyourlife.com)



# CONCLUSION

