

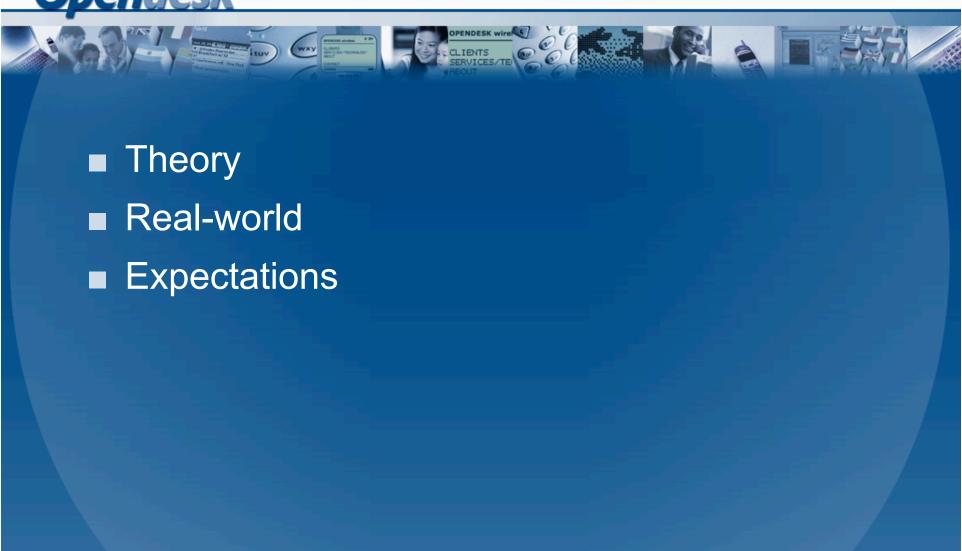
Patrick Bradley
Kevin Trigg

Who Are We?



- Patrick Bradley
 - Architect and Senior Programmer
 - B.Sc. CS McGill 1996
- Kevin Trigg
 - Director of Software Development
 - B.Sc. CS McGill 1989

Introduction



In Scope



- Environment
- Definitions
- Conflict
 - Company
 - Engineer
- Role of the engineer
- Process
- Summary

Out of Scope



- Medium and large businesses
- Specific technologies
- Specific methods

Environment



- Changing market
 - Trying to stay ahead
- Changing technology
 - Constantly learning
- Changing product direction
 - Flexible process

Environment (cont)



- Employees
- Mentality
- Growing company
- Existing processes

Environment (cont)



- Lack of funds
 - Lack of tools
- Lack of resources
 - Many jobs
- Lack of time
 - Development rushed

Definitions



- Process maturity
 - = f (knowledge + experience + seriousness)
- Growth
 - = f (cash)
- Efficiency
 - = f (maturity / growth)

Conflict



- Company
 - 1. Maximize growth
 - 2. Maximize efficiency
- Engineer
 - 1. Maximize efficiency
 - 2. Maximize growth

Roles of the Engineer



- « Sheriff in a frontier town »
- Student
- Educator
- Salesman
- Implementer
- Enforcer

Process

<u>Opendesk</u>



- Must fit organization
 - Quick to implement
 - Rapid to execute
 - Minimal documentation
- Cooperative
- Compromise
- Must be open to change
 - But minimize impact

Summary



- Frustrating
- Difficult
- Constant battle
- Compromise
- Rewarding

Recommended Reading



- « Code Complete », Steve McConnell
- « Rapid Development », Steve McConnell
- www.extremeprogramming.org
- « Extreme Programming Explained », Kent Beck