



# Agile development with Rational SW

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**On a smarter planet,**  
software is changing the way people live.

**Smarter software for a smarter planet**

# The Project

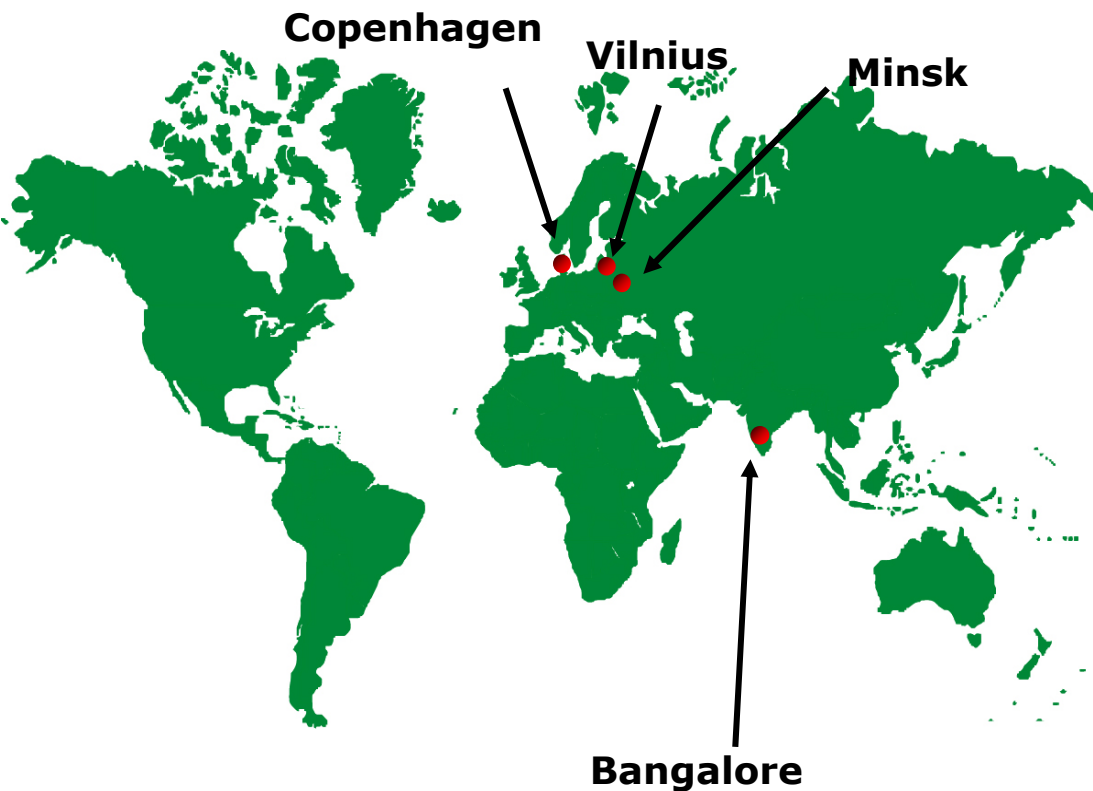
- A maintenance project with > 35.000 hours of new development pr. year
- Main programming language is Java and some C/C++.
- Developed on windows, but production environment is IBM X-series running Suse linux
- Application is sensitive (Due to handling of credit card data), so all code must be sensitive code reviewed
- Organization is at a high maturity level (CMMI level 5 certification until 01.01.09)
- Global resources is part of the deal.



# The team

Our team consists of

- Developers from Denmark
- IT architects from Denmark
- Developers from Lithuania
- Developers/tester from India.
- Developer from Belarus



# Organizing of teams

- **We have 5 teams, each with 4-7 members**
  - The size of the team does not change during a release
  - A team consists of both Danes and Global resources
  - Each team has a lead developer
  - Lead developer or PM or assistant is scrum master on the team
- **All teams have daily scrum 10 minutes**
  - We start at 09:10 and end at 10:00
  - Architects have scrum from 10:00 – 10:15
  - We use RTC + Burndown charts at the daily scrums
- **We have Scrum of scrum twice pr week to coordinate teams**
  - We use Lotus Connections for milestone followup (Fixpacks, etc)
  - We use RTC for empediments tracking.



# Tools

- **Rational Team Concert:** Planning tool for releases and sprints
- **RSA and RAD:** Used for architecture and design modeling, java coding
- **Rational Data Architect (like IDA):** used for logical and physical data modeling
- **Rational Performance Tester:** used for creating and executing performance test cases
- **Rational Agent Controller:** used for automatically executing performance test cases created in Rational Performance Tester
- **Rational Functional Tester:** used for creating and executing functional test cases
- **Rational Manual Tester:** used for manual test execution assistance
- **Rational Build Forge:** used for automatic build, integration and release management
- **Lotus Sametime 8.5:** Used for teleconferencing/Screen sharing
- **Lotus Connections:** Used for collaboration and knowledge sharing (wiki/blogs/files)
- **CMVC:** used for configuration management (version control) on the mainframe
- **CVS:** Used for source version control



# Q/A

- Questions ?
- You are welcome to contact me:

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