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## Our Jazz Band Rocks.

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TietoEnator Corporation

## About the presenter

- Management and development of TE Software Development Process based on Rational Unified Process, Scrum, XP and Lean development
- Team leader of a team of Process mentors
- Eclipse Process Framework contributor
- Have been implementing Agile in various type of projects for last 8 years in context of a distributed environment



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## Setting the Scene: TietoEnator as a Case Organisation

- Established 1968 (the Finnish Tieto was established in May 1968)
- Nowadays **consists of almost 300 companies** (Nordic, Baltic, Central European, American), the parent is legally a Finnish company
- **Operates in close to 30 countries** in Europe, Asia and North America
- The number of **personnel about 16 000**
- Net sales EUR 1.8 billion in 2007



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## Requirements for Corporate Processes in TietoEnator

- Support for distributed development is the must
- Big number of companies and growth means big number of organisation cultures, fluctuation, etc. => challenges for process adoption
  - For example during 2004 - 2006, 25+ outsourcings or acquisitions in 30 months = 3500+ acquired or outsourced new employees from 10+ countries
- Several industry sectors => One size process hardly ever fits for all



**> Challenge**

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## In the beginning...

- Long term experiences:
  - Jira + SVN (CVS + Bugzilla earlier) + CruiseControl + Wiki + Eclipse
  - Internal project to integrate the tools
  - Not happy about existing commercial tools
- There must be better tool in 21<sup>st</sup> century! (integration, usability, agility)
- Impressed by Erich Gamma and his team presentation of Jazz at EclipseCon 2007



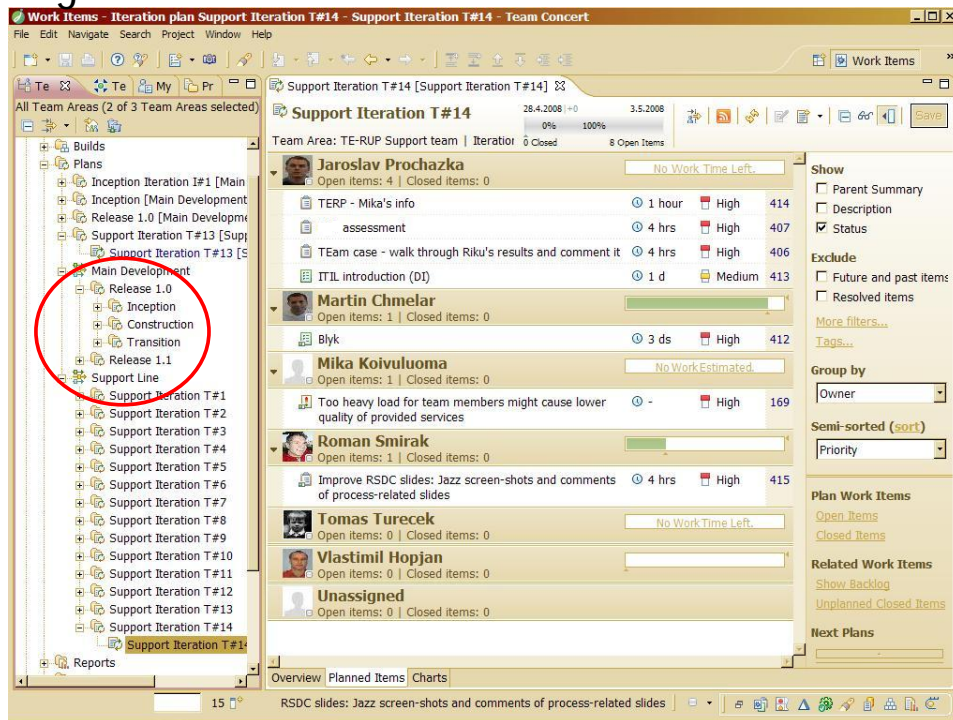
*> We started to figure out how to pilot*

## Why Rational Team Concert & our team

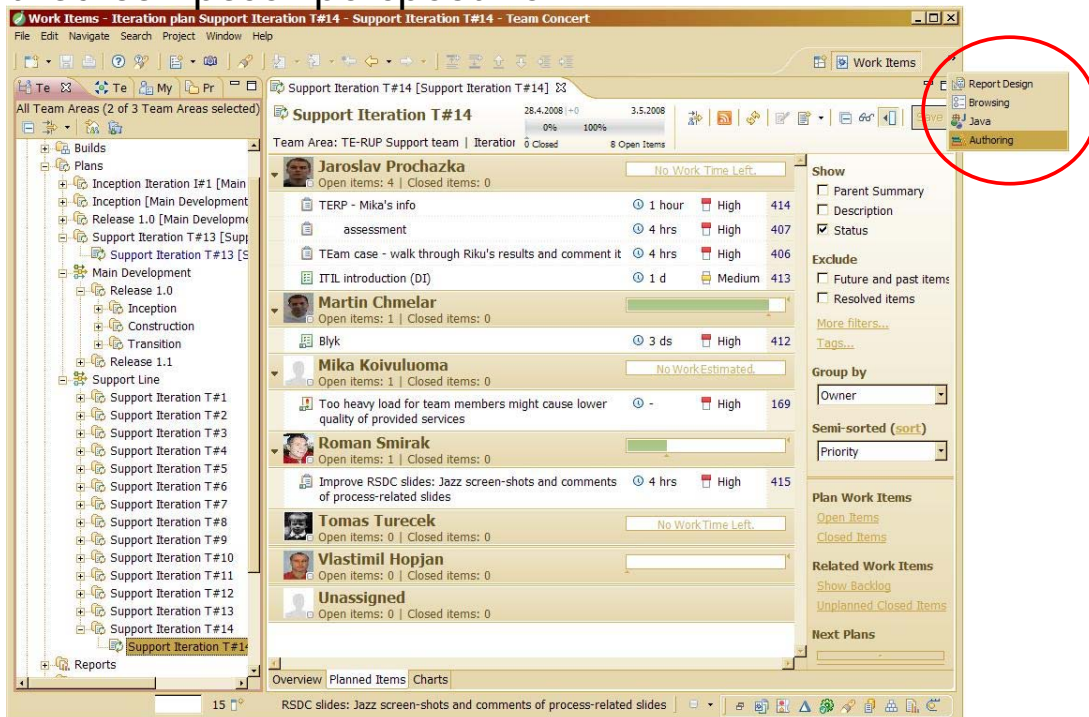
- RUP development to be disciplined and collaborative
- We can test and use the tool setup in fairly well controlled internal environment.
- Setting up the tool environment means also setting up the process and vice versa.
- Lessons learned and distilling of those to business as well.
- Support from IBM during the pilot.



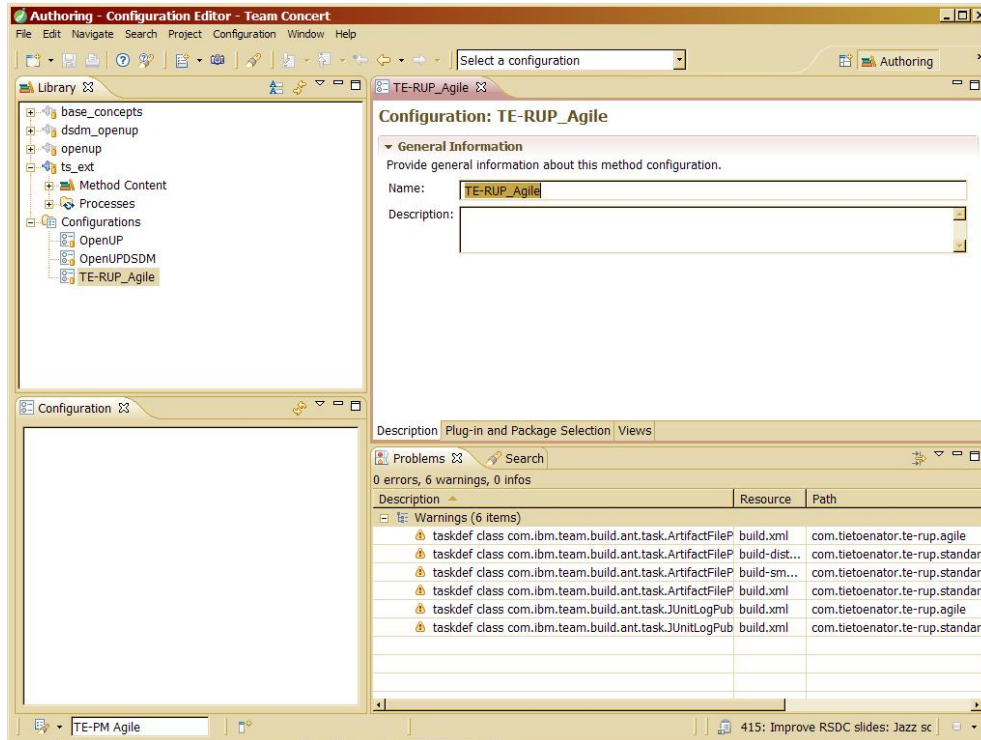
# Planning view



# Method composer perspective



## Method composer perspective (2)

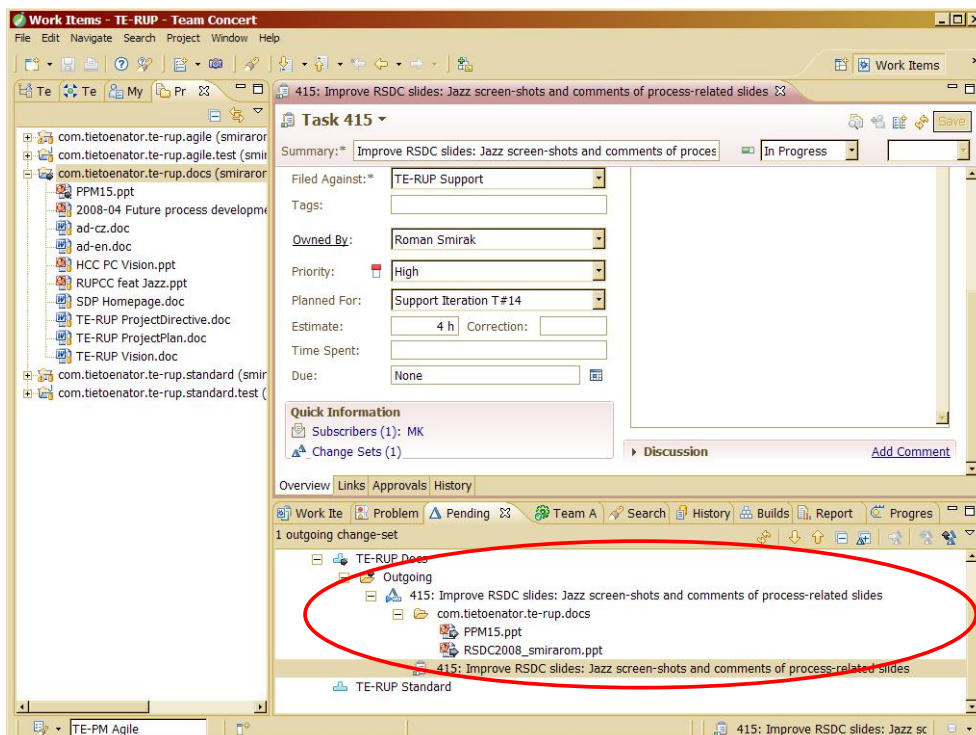


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## SCM and Work items integration



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# Builds

The screenshot shows the 'Work Items' application interface. The main window displays details for a specific build: 'Build TE-RUP Agile 20080424-1608'. The build status is 'Completed' with a duration of 2 minutes and 40 seconds. It started on 24. duben 2008 at 17:08:28 and completed at 17:11:09. A status trend bar shows a series of green bars, indicating a successful build process.

The 'Contribution Summary' section provides key metrics: 1 download, 925 tests, 0 failures, and 0 errors. It also lists logs, repository workspace, snapshot, work items, and changes.

The 'General Information' section includes the requested by (Roman Smirak), build definition (TE-RUP Agile), build engine (basic), build history (45 builds), and tags (rc2, 1.0.0).

At the bottom, a table lists recent builds:

| Build | Label              | Progress      | Estimated Completion | Start Time  |
|-------|--------------------|---------------|----------------------|-------------|
| ✓     | TE-RUP Small       | 20080425-1116 | Completed            | 25. duben 2 |
| ✓     | TE-RUP Agile       | 20080424-1608 | Completed            | 24. duben 2 |
| ✓     | TE-RUP Agile       | 20080424-1548 | Completed            | 24. duben 2 |
| ✓     | TE-RUP Standard    | 20080423-1335 | Completed            | 23. duben 2 |
| ✓     | TE-RUP Distributed | 20080423-1301 | Completed            | 23. duben 2 |
| ✓     | TE-RUP Standard    | 20080423-1215 | Completed            | 23. duben 2 |

# Automatically published web site

The screenshot shows a Mozilla Firefox browser window displaying the website 'Introduction to OpenUP'. The URL is 'https://smiraro-jazz:9443/terup\_agile/'. The page features a navigation menu on the left with items like 'Introduction to OpenUP', 'Getting Started', 'OpenUP Disciplines', 'OpenUP Work Products', 'OpenUP Roles', 'OpenUP lifecycle', 'About', and 'OpenUP Copyright'.

The main content area includes a 'Relationships' section with a 'Contents' list:

- Core Principles
- Minimal, Complete, and Extensible
- Iteration Lifecycle
- Micro-Increments
- Project Lifecycle
- The OpenUP Family
- Who Should Use OpenUP

Below this is a 'Main Description' section with icons for 'Getting Started', 'Core Principles', 'Roles', 'Work Products', 'Disciplines', and 'Lifecycle'. The text states: 'OpenUP is a lean Unified Process that applies iterative and incremental approaches within a structured lifecycle.'

## Risks, benefits and lessons learned

- We increased:
  - Visibility
  - Sharing
  - Synchronization & communication
  - Predictability
  - Scalability
  - Agility
- Lesson learned:
  - Start minimal
  - Focus on max value and risks first
  - Motivate people by demonstrating value
  - Proceed iteratively
  - Plan time for learning and administration



- We've been preparing standard environment and service for other projects to boost their startup

## Final statements

- No team member would roll-back or use another tool
  - Compare with the situation one year ago
- Easy induction of newcomers
- Although overloaded we keep delivering high value services - that's our ROI.



Thank you.

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