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Software that adds flow to your project portfolio!

# LYNX Projekt and Portfolio Management

*Für Engpassorientierte Planung, Steuerung und Durchführung*

Engpass Management im öffentlichen Sektor

*Ad Vermeulen, A-dato B.V.*

Always an answer to "what's next?"

# About Us (Me)

Ad Vermeulen made his career as an industrial engineer in the software industry for business applications. He became an expert in implementation of software solutions in the field of project and portfolio management. In 2006 A-dato was started out of the belief that people, teams and organizations should be able to collaborate smoothly and effectively when pursuing their goals and ambitions. In order to do so, we created the LYNX Multi-Project solutions. LYNX software enables our clients to optimize and synchronize workflows and processes covering their total portfolio and project management landscape.

We have built the software with the flexibility to customize the implementation and configure processes as needed. Agile and Kanban workflows are fully integrated through LYNX TameFlow

LYNX Software is used by leading companies worldwide such as Airbus, Bosch, Siemens, GSK, Diamond Air and Zeiss.

*E-mail: ad.vermeulen@a-dato.com*
*A-dato: www.a-dato.com*
*Phone: +31 6 23561036*



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# The multi-project playing field

## *Objectives and Challenges*

- Must be Reliable and Fast
- Manage Scope, Time and Budget
- Needs to know if the project is on "track"
- Satisfy the stakeholders




- Deliver quality and good work
- Be able to focus and getting work done
- Optimal Conditions for innovation

- Portfolio with many projects
- High Due-Date performance
- Deliver more projects

1. In Time
2. Within budget
3. Deliver Scope
4. Right Quality

5. Across all Projects

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*Engpassorientierte Planung, Steuerung und Durchführung*

# *Add Flow to your Portfolio…*

## Today

- Overload and Stress
- Multi-tasking
- Task Interruptions
- [illegible]
- Ea[illegible]
- De-sy[illegible]
- Batching
- Parkinson's law
- Student syndrome
- Kopfmonopole
- Queues and Waiting Time

Symptoms

**A different approach**

LYNX by a-dato

LYNX TameFlow

*Implementation*

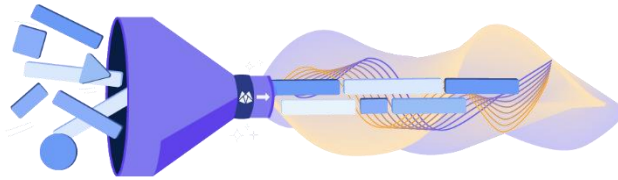
## Tomorrow

- WIP Control
- Single tasking
- Sin[illegible]hing
- P[illegible]
- Obje[illegible]
- Synchro[illegible]
- Single-piece [illegible]w
- Aggregation
- Relay race
- Vertical Integration
- Late binding

New Reality

## *Improvement Potential…*

- *Less pressure and stress*
- *Easier collaboration*
- *More reliable projects*
- *More transparency*
- *Win (back) capacity*
- *Finish projects faster*
- *More Flow…*

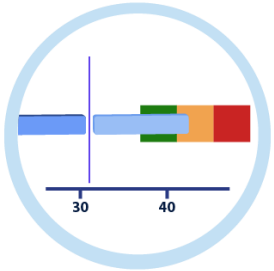


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# A different approach…
## *Key Ingredients*



Always an answer to
*what's next?*



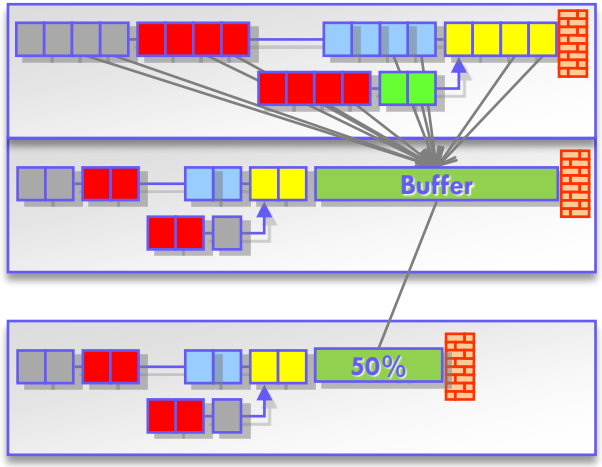

Buffer Management
(Critical Longest Chain)

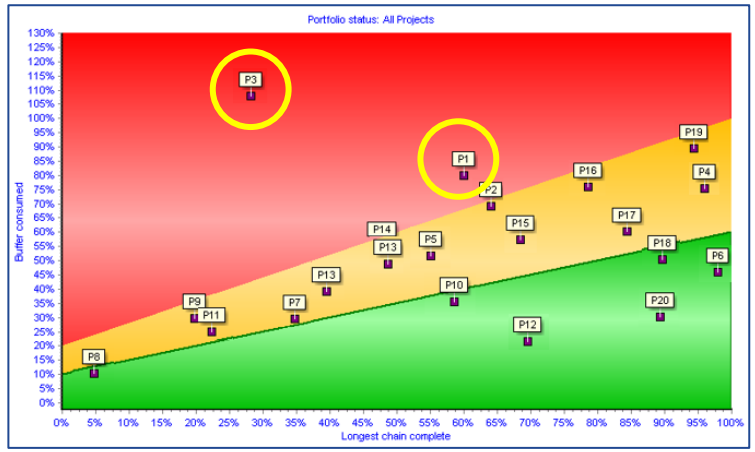


Portfolio Management
(Manage Work-in-Progress)

| ID | Description | Priority | RTS |
|---|---|---|---|
| 3 | ©Review<br>D1 Product Development | | Yes |
| 5 | Sourcing Materials<br>D1 Product Development | | Yes |
| 6 | ©Approve design<br>D2 Product Development | | Yes |
| 19 | Prototype Review<br>D2 Product Development | | Yes |
| 8 | Receive Materials<br>D2 Product Development | | Yes |
| 28 | Prepare Manual<br>D2 Product Development | | Yes |

Traffic light = 1 operational priority
(reduce queues faster)



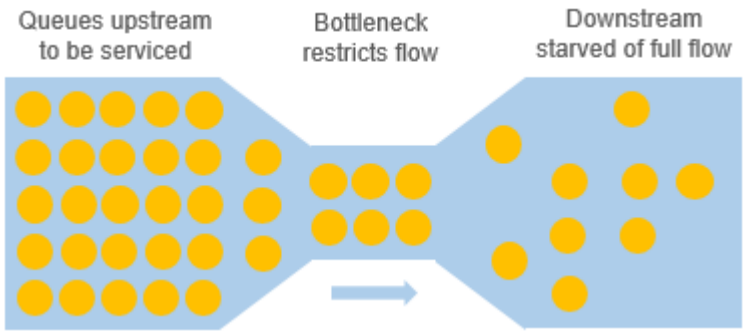




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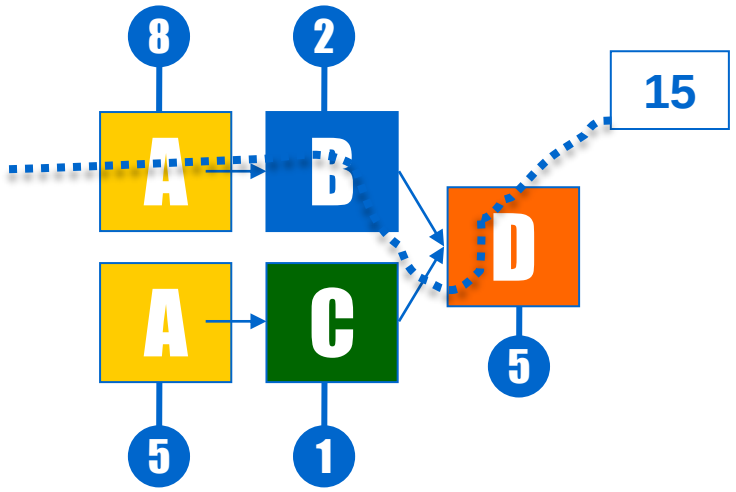
# Engpassorientierte Steuerung auf Projekt Ebene

## *What do we mean with a "Critical Chain"?*

The capacity of the "**bottleneck**" determines the maximum output that can be achieved




The "**critical path**" (longest path) is <u>the</u> "bottleneck" in a project because it determines the total duration of the project……

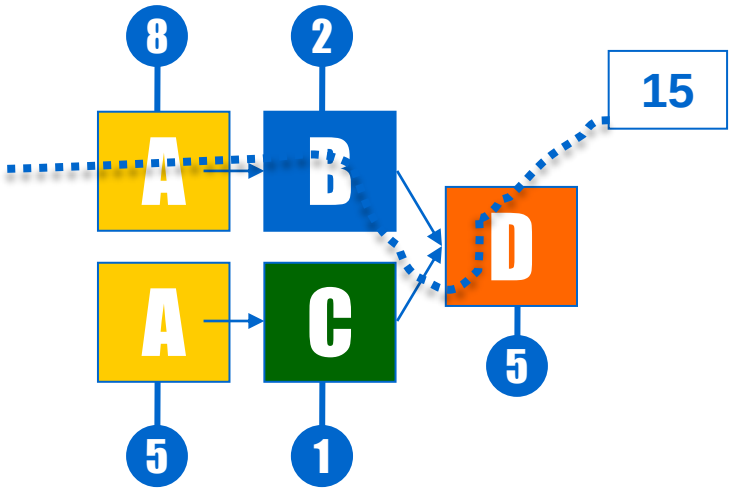



**Or isn't it……?**

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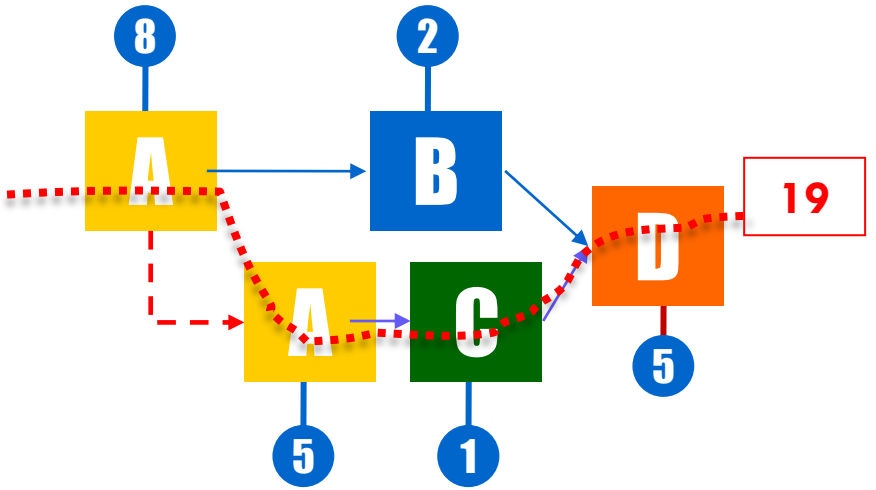
# Impact “Engpässe” on your project..

*Ability to identify “Invisible dependencies”*




Critical Path = 15

Task B is not Critical after all !




Critical Chain = 19

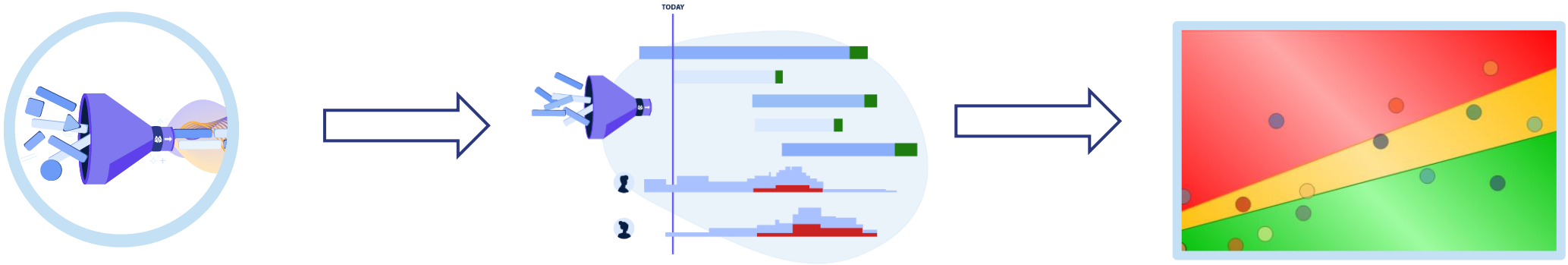


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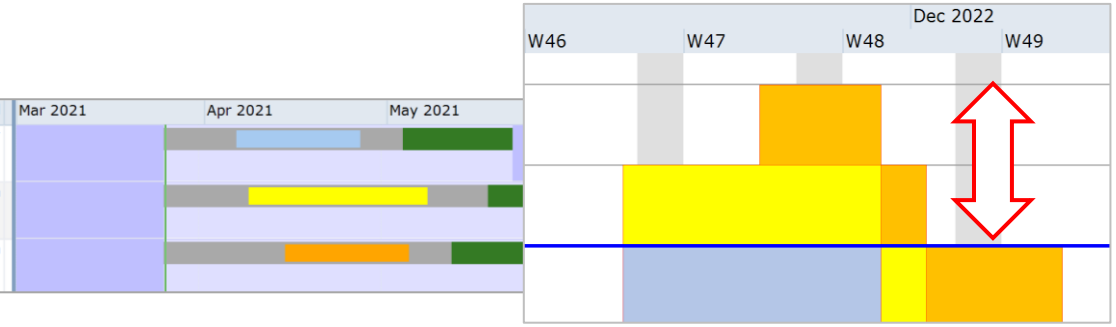
# Enpässe auf Portfolio Ebene

## *From Funnel View to Execution View (Heatmaps)*





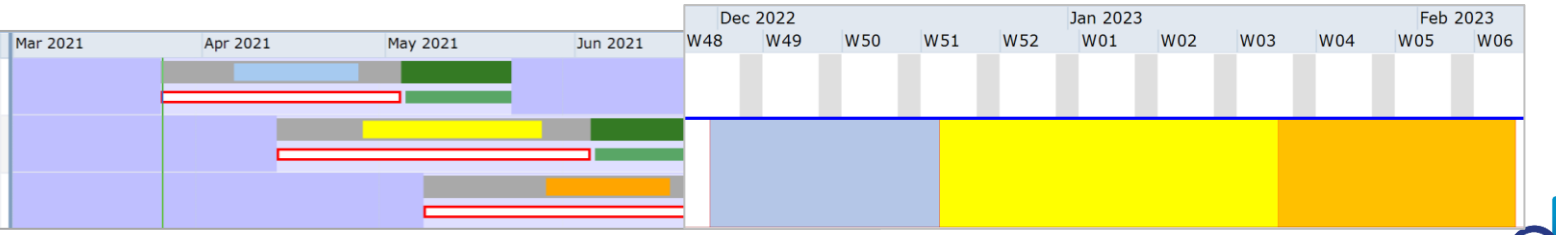

| Priority | Description | PM | Status | Start | End |
|---|---|---|---|---|---|
| 3 | **Mars** resource hours: 576h remaining: 512h - 88% | AC | Released | Fri 4 Dec 2020 | Fri 14 May |
| 3 | **Pluto** resource hours: 528h remaining: 488h - 92% | AC | Released | Tue 1 Dec 2020 | Wed 9 Jun |
| 3 | **Jupiter** resource hours: 416h remaining: 416h - 100% | AC | Released | Mon 14 Dec 2020 | Wed 2 Jun |




100 %

**LYNX Scenario Wizard**

| Description | PM | Status | Start | End | Delta |
|---|---|---|---|---|---|
| **Mars** resource hours: 576h remaining: 512h - 88% | AC | Released | ~~Fri 4 Dec 2020~~ Thu 25 Mar 9:00 | ~~Fri 14 May~~ Fri 21 May 17:00 | 5 days |
| **Pluto** resource hours: 528h remaining: 488h - 92% | AC | Released | ~~Tue 1 Dec 2020~~ Tue 13 Apr 9:00 | ~~Wed 9 Jun~~ Wed 30 Jun 17:00 | 15 days |
| **Jupiter** resource hours: 416h remaining: 416h - 100% | AC | Released | ~~Mon 14 Dec 2020~~ Fri 7 May 9:00 | ~~Wed 2 Jun~~ Fri 16 Jul 17:00 | 32 days |



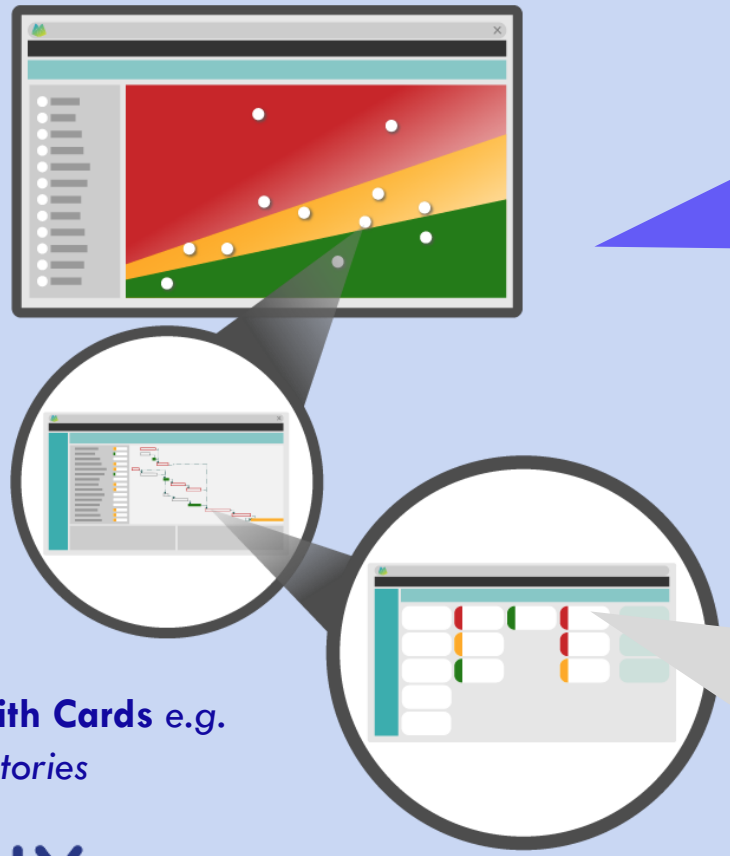

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# The LYNX Platform brings everything together…

**Portfolio / Multi Project Scenario Planning & Simulation**

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**Projects with stages, phases, tasks, workpackages with cards**



**Taskboards with Cards** e.g. *subtasks, user-stories*

LYNX TameFlow

**Multi-Skill Resource Management**
*Skills, profiles, resources, teams, team members*

**Card**

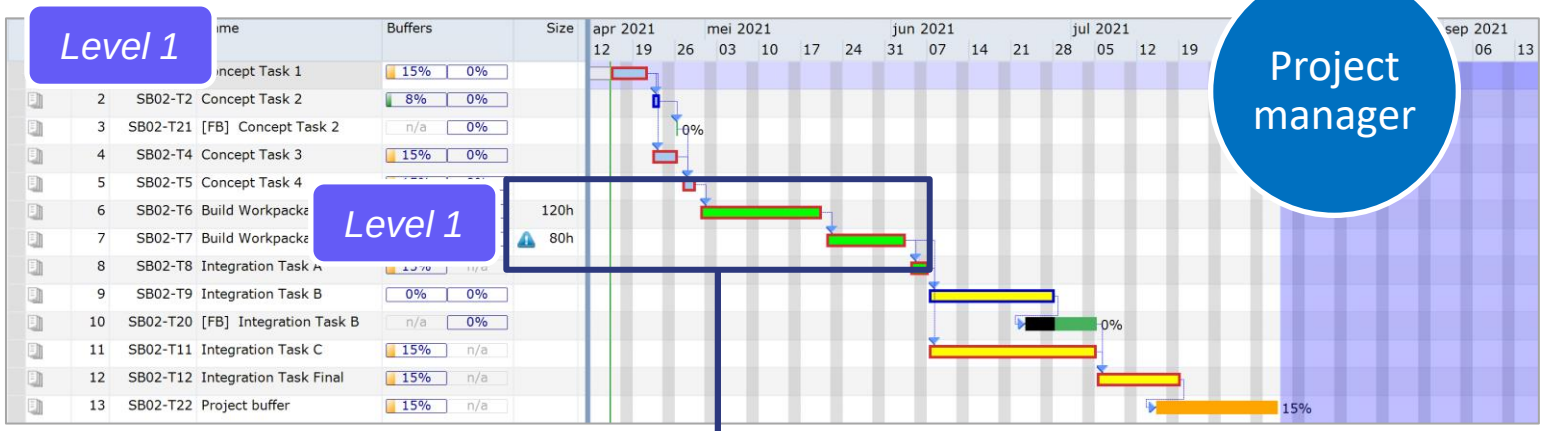


# And also integrates the Agile/Kanban way of working into projects…
*(Cards and Subtasks)*



Gantt

Level 1




Level 1

Project manager

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Level 2

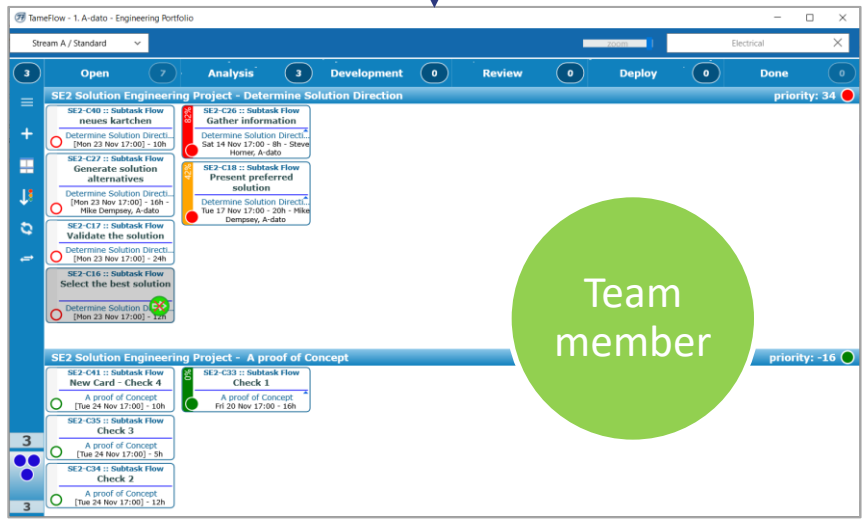



Cards

LYNX TameFlow

***The TameFlow Approach***

Through LYNX TameFlow, Agile and Kanban workflows are integrated, bringing Agile CCPM to life.




Team member

Level 2

# Demonstration and Examples

# Demo Views
## *Public Sector Projects (Small City in the Netherlands)*



- LYNX Views:
  - Project List and Ranking
  - Project with Buffers and Critical Chain
  - Heatmap
  - Active Task List

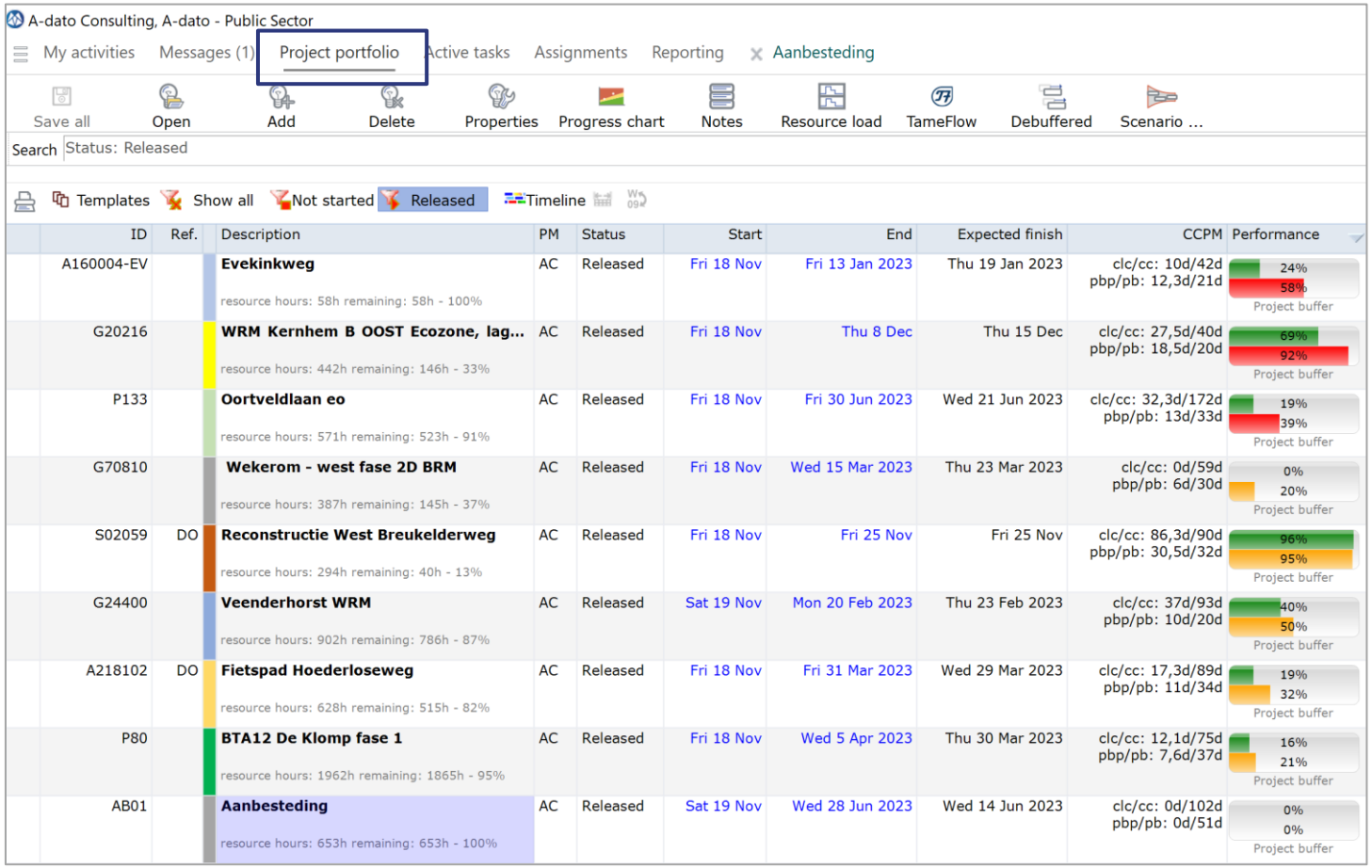
- LYNX TameFlow Task Management:
  - Task View
  - Cards View
  - Taskboard View

- Scenario Wizard:
  - Address “Bottleneck” – Scenario 1

# Project List sequenced by Priority

## *City Infrastructure Projects*






| ID | Ref. | Description | PM | Status | Start | End | Expected finish | CCPM | Performance |
|---|---|---|---|---|---|---|---|---|---|
| A160004-EV | | **Evekinkweg** resource hours: 58h remaining: 58h - 100% | AC | Released | Fri 18 Nov | Fri 13 Jan 2023 | Thu 19 Jan 2023 | clc/cc: 10d/42d pbp/pb: 12,3d/21d | 24% 58% Project buffer |
| G20216 | | **WRM Kernhem B OOST Ecozone, lag...** resource hours: 442h remaining: 146h - 33% | AC | Released | Fri 18 Nov | Thu 8 Dec | Thu 15 Dec | clc/cc: 27,5d/40d pbp/pb: 18,5d/20d | 69% 92% Project buffer |
| P133 | | **Oortveldlaan eo** resource hours: 571h remaining: 523h - 91% | AC | Released | Fri 18 Nov | Fri 30 Jun 2023 | Wed 21 Jun 2023 | clc/cc: 32,3d/172d pbp/pb: 13d/33d | 19% 39% Project buffer |
| G70810 | | **Wekerom - west fase 2D BRM** resource hours: 387h remaining: 145h - 37% | AC | Released | Fri 18 Nov | Wed 15 Mar 2023 | Thu 23 Mar 2023 | clc/cc: 0d/59d pbp/pb: 6d/30d | 0% 20% Project buffer |
| S02059 | DO | **Reconstructie West Breukelderweg** resource hours: 294h remaining: 40h - 13% | AC | Released | Fri 18 Nov | Fri 25 Nov | Fri 25 Nov | clc/cc: 86,3d/90d pbp/pb: 30,5d/32d | 96% 95% Project buffer |
| G24400 | | **Veenderhorst WRM** resource hours: 902h remaining: 786h - 87% | AC | Released | Sat 19 Nov | Mon 20 Feb 2023 | Thu 23 Feb 2023 | clc/cc: 37d/93d pbp/pb: 10d/20d | 40% 50% Project buffer |
| A218102 | DO | **Fietspad Hoederloseweg** resource hours: 628h remaining: 515h - 82% | AC | Released | Fri 18 Nov | Fri 31 Mar 2023 | Wed 29 Mar 2023 | clc/cc: 17,3d/89d pbp/pb: 11d/34d | 19% 32% Project buffer |
| P80 | | **BTA12 De Klomp fase 1** resource hours: 1962h remaining: 1865h - 95% | AC | Released | Fri 18 Nov | Wed 5 Apr 2023 | Thu 30 Mar 2023 | clc/cc: 12,1d/75d pbp/pb: 7,6d/37d | 16% 21% Project buffer |
| AB01 | | **Aanbesteding** resource hours: 653h remaining: 653h - 100% | AC | Released | Sat 19 Nov | Wed 28 Jun 2023 | Wed 14 Jun 2023 | clc/cc: 0d/102d pbp/pb: 0d/51d | 0% 0% Project buffer |



# Task Management

## *Main Tasks with Subtasks (Cards)*



