



Critical Chain auf Basis von Sciforma 7.0

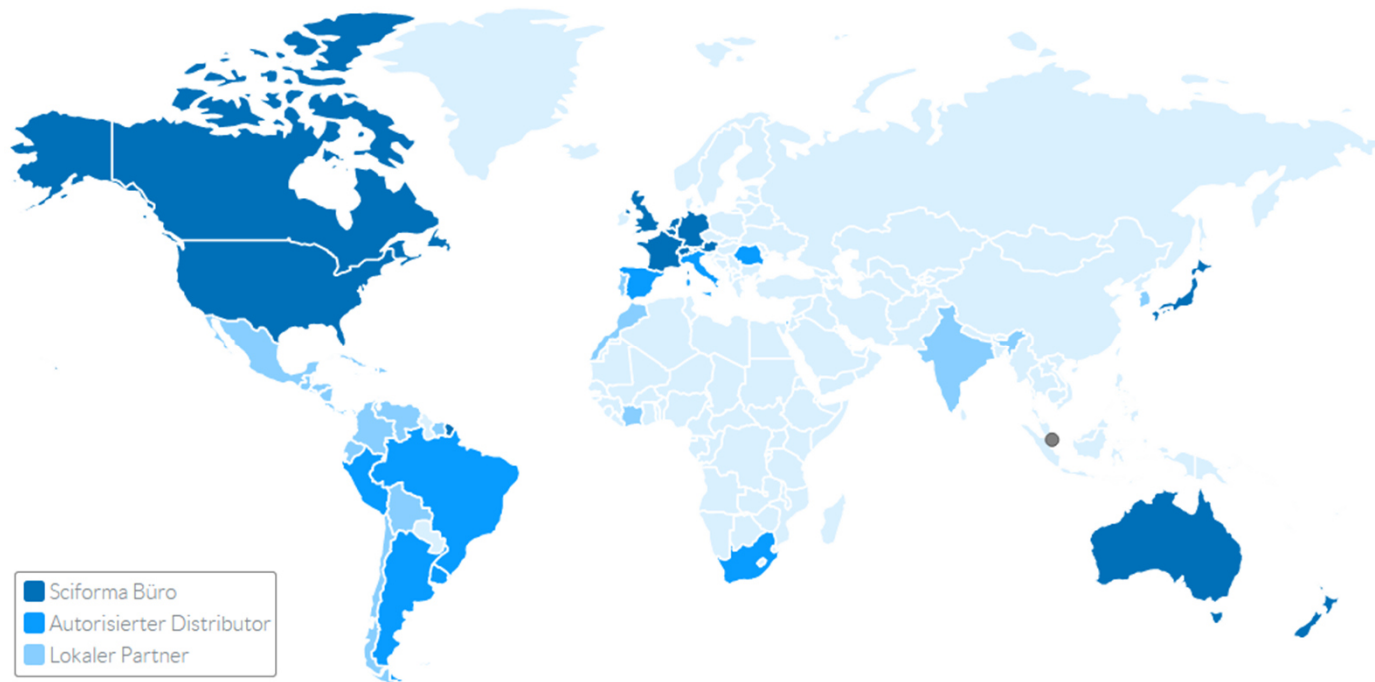
Heidelberg, 06.11.2015



Bastian Schneider

- ▶ Studium der Betriebswirtschaft (Diplom) an der FH Gießen
 - ▶ Studium an der Universidad de Huelva (Spanien)
- ▶ 5 Jahre in München bei der Linde AG und BayWa AG
als Technical Consultant
- ▶ Seit 1,5 Jahren bei Sciforma als Consultant

Unternehmen - Sciforma GmbH



- ▶ Seit 30 Jahren im Markt
- ▶ 200 Mitarbeiter weltweit
- ▶ 30 Mitarbeiter in DACH



| Unternehmen - Kunden



- ▶ Branchenübergreifend
- ▶ 1 bis 9000 Anwender
- ▶ Aktuell längste Projektlaufzeit bis 2096
- ▶ Aktuell größtes Projekt hat 550.000 Aufgaben

| Sciforma 7.0



Sciforma
Designer



Sciforma



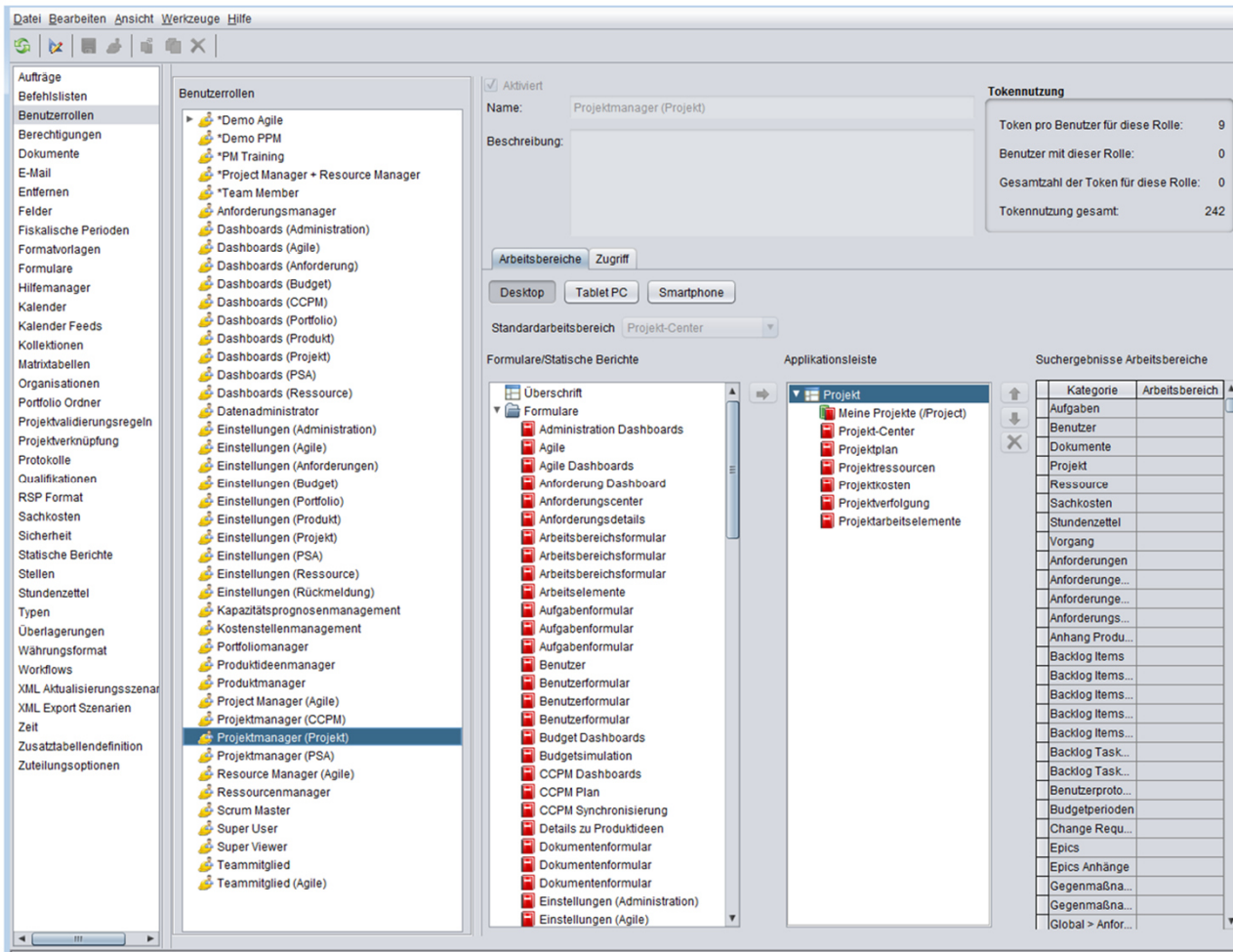
HTML5
Client



| Sciforma 7.0 Client - 100% HTML5



Designer



Designer – Projekt Center

The screenshot displays the Sciforma Designer – Projekt Center application. The interface is divided into several sections:

- Left Sidebar:** A list of navigation items including Aufträge, Befehlslisten, Benutzerrollen, Berechtigungen, Dokumente, E-Mail, Entfernen, Felder, Fiskalische Perioden, Formatvorlagen, **Formulare** (highlighted), Hilfemanager, Kalender, Kalender Feeds, Kollektionen, Matrixtabellen, Organisationen, Portfolio Ordner, Projektvalidierungsregeln, Projektverknüpfung, Protokolle, Qualifikationen, RSP Format, Sachkosten, Sicherheit, Statische Berichte, Stellen, Stundenzettel, Typen, Überlagerungen, Währungsformat, Workflows, XML Aktualisierungsszenar, XML Export Szenarien, Zeit, Zusatztabellendefinition, and Zuteilungsoptionen.
- Tree View:** A hierarchical tree structure under 'Formulare' showing various project-related templates and folders, with 'Überblick (Projekt/Projekt-Center)' selected.
- Top Menu:** Datei, Bearbeiten, Ansicht, Werkzeuge, Hilfe.
- Toolbar:** A series of icons for file operations and editing.
- Buttons:** A row of action buttons: Neu, Speichern unter, Veröffentlichen, Sperren, Entsperren, Rückgängig, Wiederherstellen, Workflow, and More....
- Form Fields:** Input fields for project metadata:
 - Name:
 - Manager 1:
 - Portfolio Ordner:
 - Typ:
 - Soll-Anfang:
 - Ende:
- Terminplanübersicht:** A section for project scheduling.
- Vorgangsausblick:** A table with 10 columns, each containing a '0'.
- Vorgangsausblick:** A section for project status.
- Anstehende Vorgänge:** A table with columns: Name, Anfang, Ende, Dauer, Gesamtaufwand Personal, Gesamtkosten, and Ressourcennamen.

Client – Projekt Center

Projekt

Meine Projekte

Projekt-Center

Projektplan

Projektressourcen

Projektkosten

Projektverfolgung

Projektarbeitselemente

Projekt Dashboards

Projekt

Filter

Accounting System Migration

BO Installation

New Intranet Site

New Phone System

Accounting System Migration

ACME 3.1

ACME 3.1

B12 Certified Garages

Business Case Template

Configure Environment

Configure Environment

Enterprise Portal

Finance Component (Phase 1)

HR Tool Phase 2

Migrate SaaS platform

New Intranet Site

Überblick

Definition

Business Case

Status

Lessons Learned

Neu

Speichern unter

Veröffentlichen

Sperren

Entsperren

Rückgängig

Wiederherstellen

Workflow

Weiter...

Projektstammdaten

Name: Accounting System Migration

Manager 1: Alvarez, William

Portfolio Ordner: Internal IT

Typ: In Arbeit

Soll-Anfang: 25.11.14

Ende: 02.07.15

Terminplanüberblick

Vorgangsausblick

Vorgangstatus

Weiter

Accounting System Migration

0 0 1 1 1 1 2 2 2 2

Vorgänge in Bearbeitung

Soll beginnen (1w)

Soll beginnen (2w)

Soll beginnen (>2w)

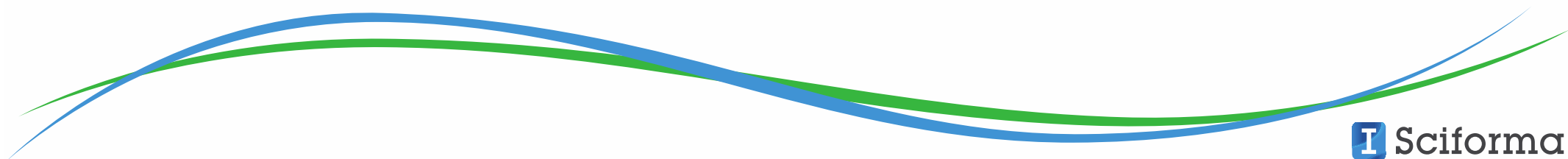
>2 Wochen verspätet

Anstehende Vorgänge

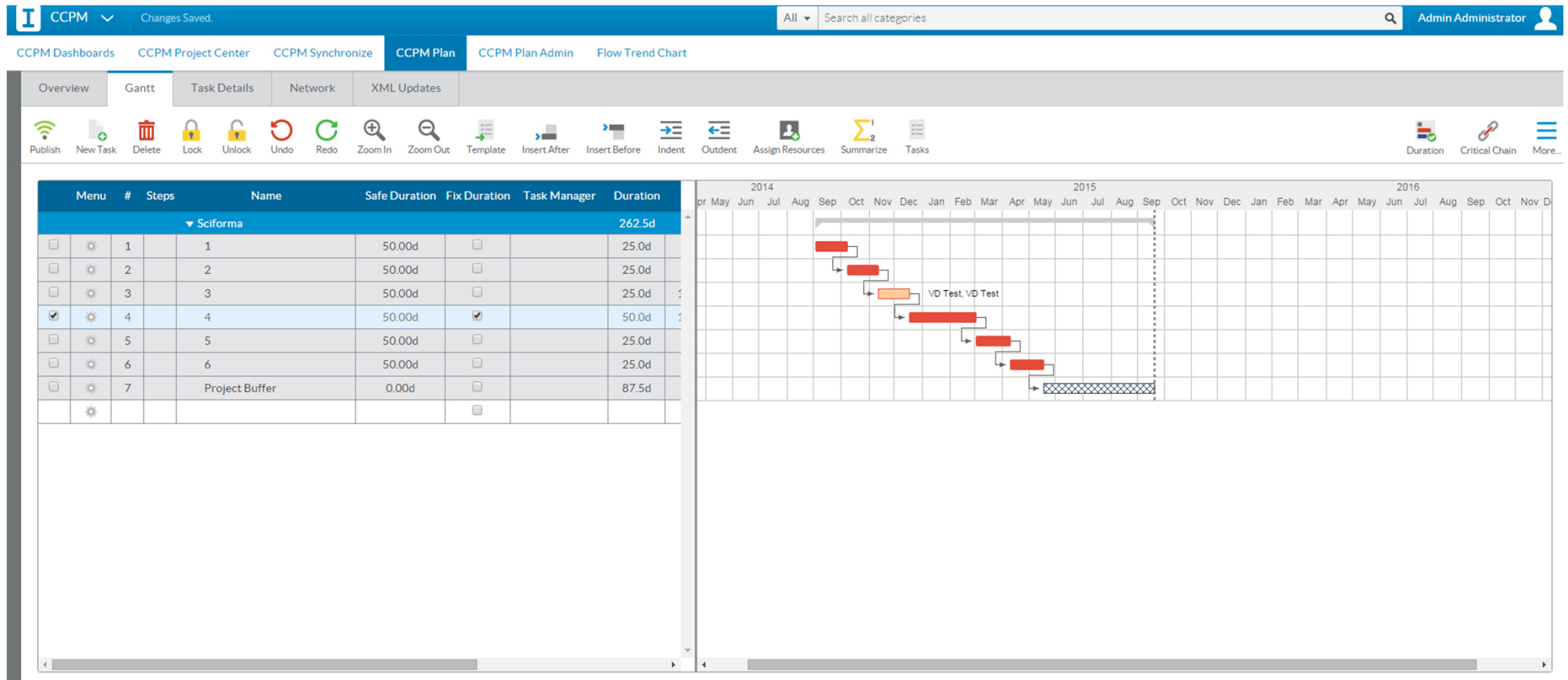
Name	Anfang	Ende	Dauer	Gesamtaufwand Personal	Gesamtkosten	Ressourcennamen
Unit tests	24.03.15	11.05.15	35,00t	1.120,00h	93.520,00 €	George, Keith;Carter, Agatha;Gray, Tyler;Wood, Nicole
UAT	24.03.15	20.04.15	20,00t	160,00h	11.520,00 €	Klein, Abbey
Integration	12.05.15	02.07.15	38,00t	760,00h	88.768,00 €	Abbott, Adrinna;Wood, Nicole;Mitchell, William
Kick-off	02.07.15	02.07.15	0,00t	0,00t	0,00 €	



CCPM



Initiale Projektplanung



Safe Duration, Duration und Task Manager

Menu	#	Steps	Name	Safe Duration	Fix Duration	Task Manager	Duration	Start
▼ Sciforma							262.5d	9/2/14
☐		1	1	50.00d	☐	Administr... ×≡	25.0d	9/2/14
☐		2	2	50.00d	☐	Administr... ×≡	25.0d	10/8/14
☐		3	3	50.00d	☐	≡	25.0d	11/12/14
☐		4	4	50.00d	☒	Administr... ×≡	50.0d	12/17/14
☐		5	5	50.00d	☐	Administr... ×≡	25.0d	3/3/15
☐		6	6	50.00d	☐	≡	25.0d	4/9/15
☐		7	Project Buffer	0.00d	☐	≡	87.5d	5/18/15
					☐			

Generische Ressourcenzuteilung

Task

Name: #:

Task Critical Chain **Labor Assignments** Links Steps Work Package



New

Name	Organization	Job Classification	Rate	Total Effort	Actual Effort	Remaining Effort	Baseline Effort
		Entwicklung	7.00h/d	350.00h	0.00h	350.00h	0.00h
			0.00h/d	0.00h	0.00h	0.00h	0.00h

Close

Virtual Drum

Task

Name: #:

- Task
- Critical Chain
- Labor Assignments
- Links
- Steps
- Work Package

 New

Name	Organization	Job Classification	Rate	Total Effort	Actual Effort	Remaining Effort	Baseline Effort
VD Test, VD Test			7.00h/d	175.00h	0.00h	175.00h	175.00h
			0.00h/d	0.00h	0.00h	0.00h	0.00h

Close

Projektpuffer einfügen

Insert Buffers

Calculation Method

☐ Sum of Squares

☐ Percent of Safety:

☒ Percent of Duration:

Additive Constant:

Round up to nearest:

Dangling Chains

☒ Connect to Project Buffer

☐ Insert Additional Project Buffers

Options

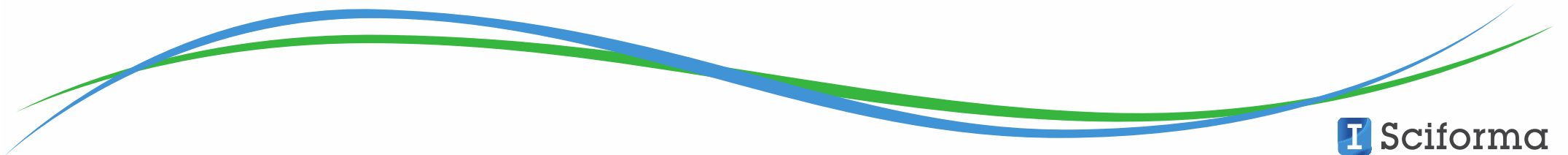
☐ Remove Existing Buffers

☐ Resolve Resource Contention

OK Cancel



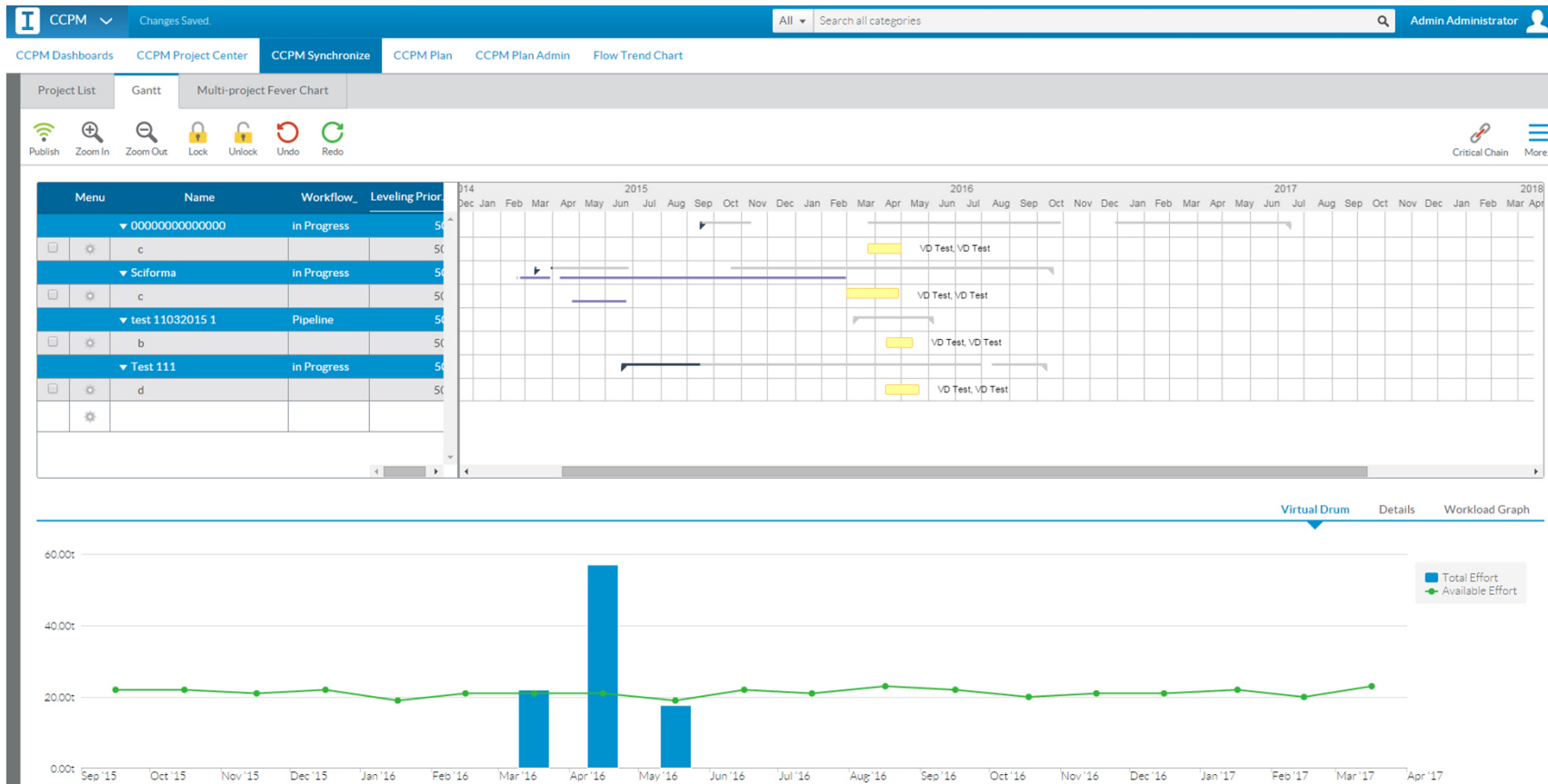
Staffelung



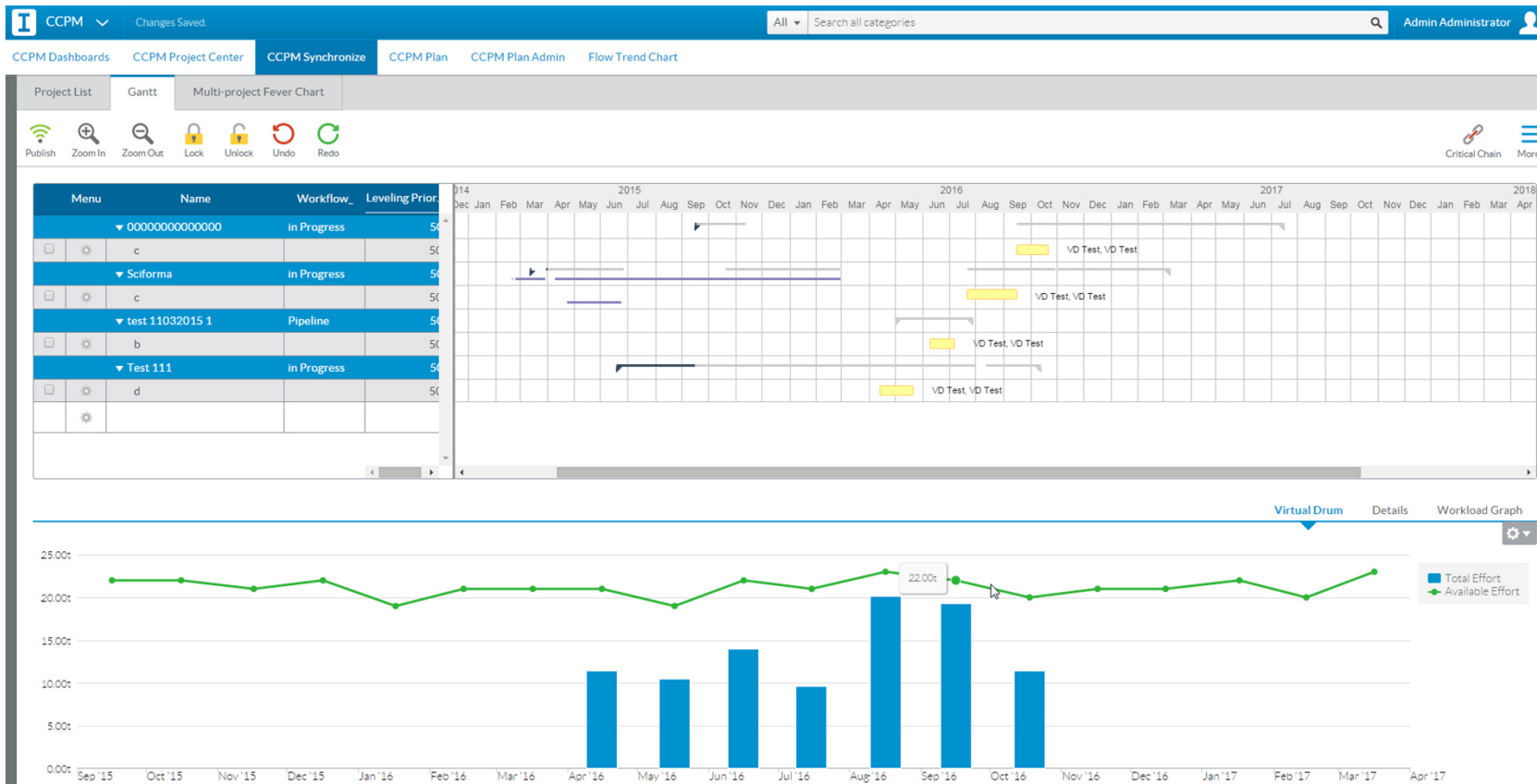
| Priorisierung von Projekten

- Engpass identifizieren (Virtual Drum)
- Staffeln nach Engpass
- Engpass nicht überlasten!
 - Begrenzung der Projektanzahl

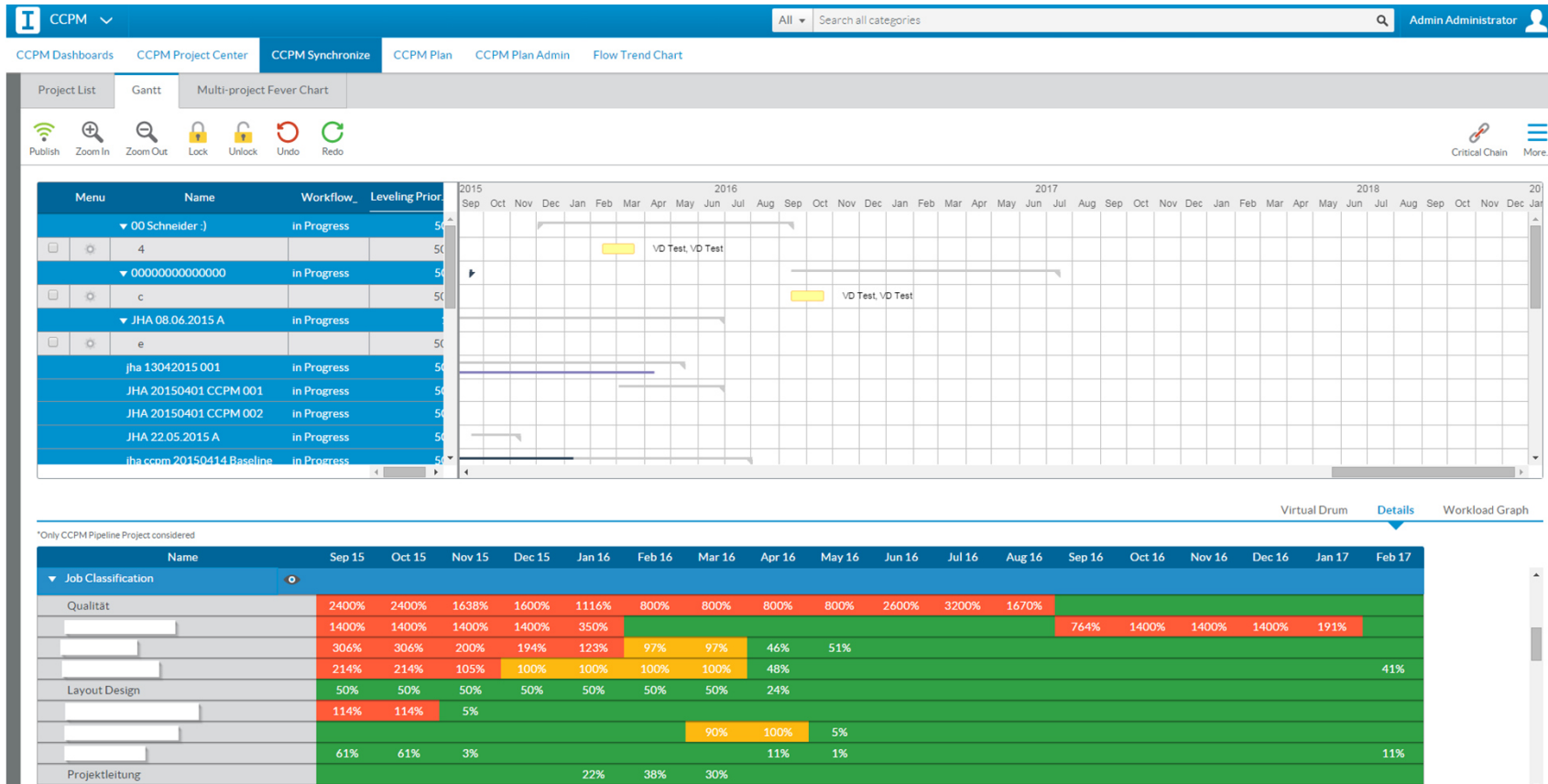
Staffeln von Projekten



Staffeln von Projekten

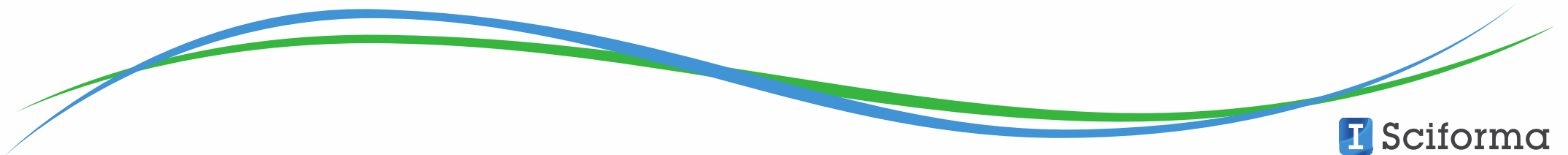


Staffeln von Projekten





Projektstart



Task Manager - Ressourcenzuteilung

- ▶ Kurzfristige harte Zuteilung nach Projektplan
- ▶ Kapazität
- ▶ Status

Task Manager

Changes Saved

All

Search all categories

Admin Administrator

Resource Allocation

Captains Walk

Resource Details read only

Resource Allocation

Ready to Start in the following [] next weeks:

all

Not to be started:

Substitute Tasks:

Tasks with complete Assignments

Projekt - Task (Parent) Job Class	Task Manager Organization	Start	Ressources	Approve Add
Ready To Start				
Not to be started				
<div><div></div><div>Jha 13042015 001 ee (-)</div></div>	Administrator, Admin	4/15/16		<div></div>
<div><div></div><div>Jha 13042015 001 f (-)</div></div>	Administrator, Admin	5/17/16		<div></div>
<div><div></div><div>JHA 08.06.2015 A h (-)</div></div>	Administrator, Admin	6/10/14		<div></div>
<div><div></div><div>JHA 08.06.2015 A i (-)</div></div>	Administrator, Admin	6/17/14		<div></div>
				<div></div>
<div><div></div><div>JHA 22.05.2015 A 3 (-)</div></div>	Administrator, Admin	10/15/15		<div></div>
<div><div></div><div>Bereichsleitung</div></div>	Team 1			<div></div>
<div><div></div><div>JHA 22.05.2015 A 4 (-)</div></div>	Administrator, Admin	11/12/15		<div></div>
<div><div></div><div>JHA 22.05.2015 A 5 (-)</div></div>	Administrator, Admin	12/3/15		<div></div>
<div><div></div><div>Test 111 b (-)</div></div>	Administrator, Admin	12/23/15		<div></div>
	Team 2			<div></div>
<div><div></div><div>Bereichsleitung</div></div>	Team 1			<div></div>
<div><div></div><div>Test 111 c (-)</div></div>	Administrator, Admin	2/1/16		<div></div>
<div><div></div><div>Entwicklung</div></div>				<div></div>

Task Manager – Captains Walk

Task Manager

Changes Saved.

AllSearch all categories

Admin Administrator

Resource Allocation

Captains Walk

Resource Details read only

Ready to Start in the following [] next weeks:

all

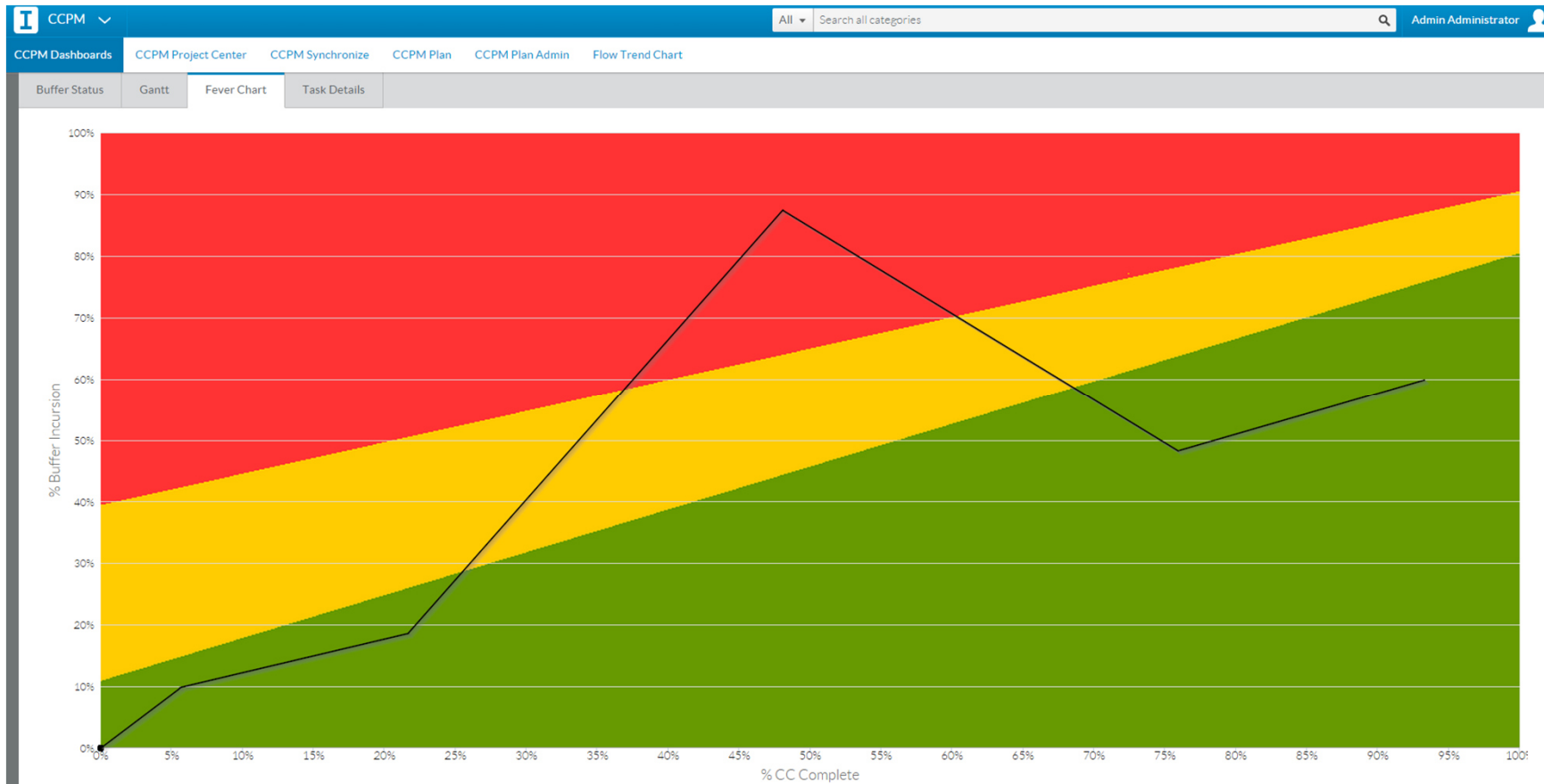
Substitute Tasks:

Not to be started:

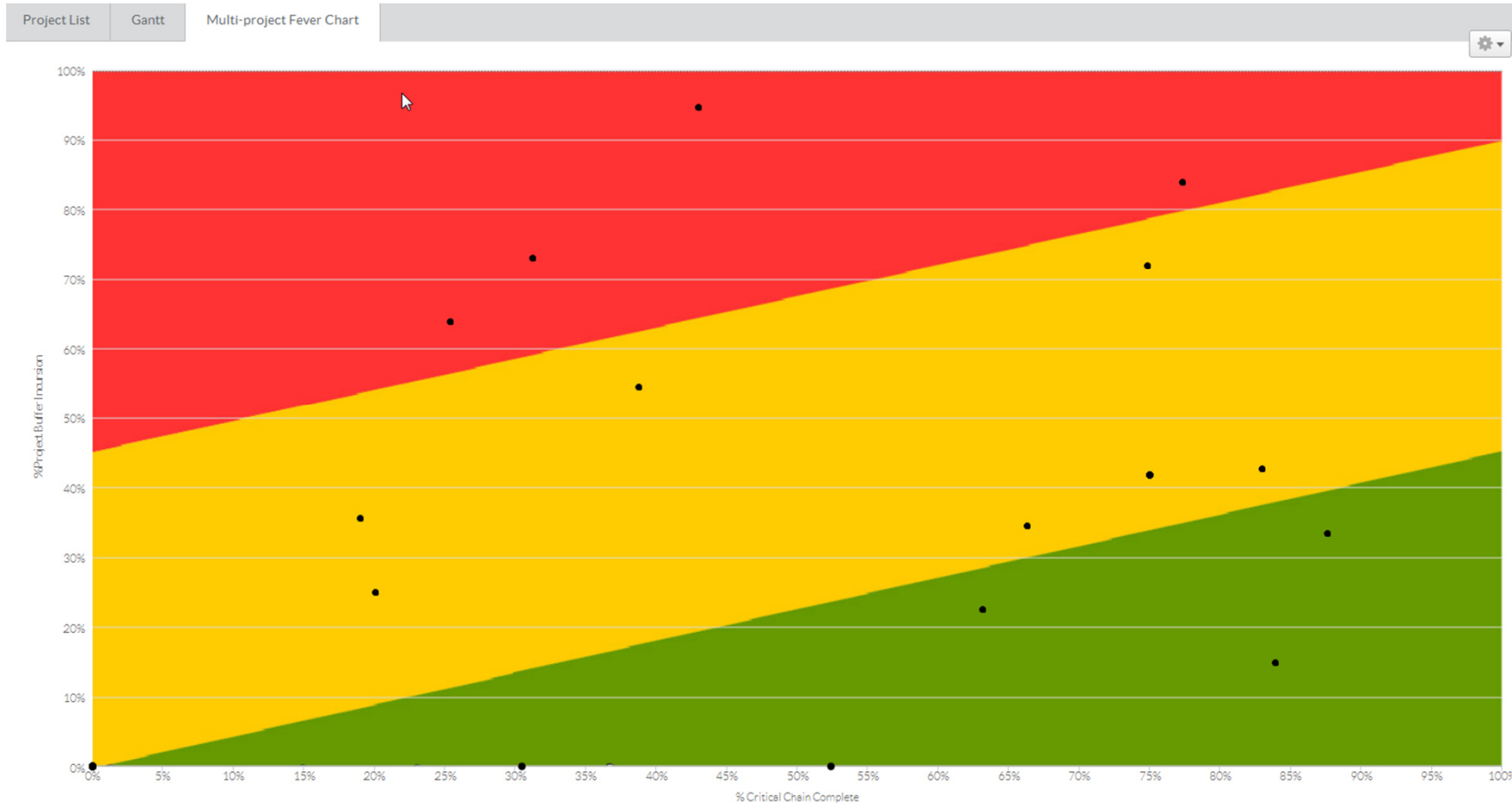
Finished:

	Project Name	Name (Parent)	Task Manager	Start	Steps	Resource Names	Hint	Remaining	Apply	Finish		
In Progress												
<div><div></div><div></div></div>	Jha 13042015 001	c (-)	Administrator, Admin	6/11/15	0/0		<div><div></div><div></div></div>	<	2t	>	<div><div></div><div></div></div>	<div><div></div><div></div></div>
<div><div></div><div></div></div>	Test 111	a (-)	Administrator, Admin	6/18/15	0/0		<div><div></div><div></div></div>	<	75t	>	<div><div></div><div></div></div>	<div><div></div><div></div></div>
Ready to Start												
<div><div></div><div></div></div>	JHA 22.05.2015 A	3 (-)	Administrator, Admin	9/17/15	0/0		<div><div></div><div></div></div>					
Not to be started												
<div><div></div><div></div></div>	Jha 13042015 001	ee (-)	Administrator, Admin	4/15/16	0/0		<div><div></div><div></div></div>					
<div><div></div><div></div></div>	Jha 13042015 001	f (-)	Administrator, Admin	5/17/16	0/0		<div><div></div><div></div></div>					
<div><div></div><div></div></div>	JHA 08.06.2015 A	h (-)	Administrator, Admin	6/10/14	0/0		<div><div></div><div></div></div>					
<div><div></div><div></div></div>	JHA 08.06.2015 A	i (-)	Administrator, Admin	6/17/14	0/0		<div><div></div><div></div></div>					
<div><div></div><div></div></div>	JHA 22.05.2015 A	4 (-)	Administrator, Admin	10/15/15	0/0		<div><div></div><div></div></div>					
<div><div></div><div></div></div>	JHA 22.05.2015 A	5 (-)	Administrator, Admin	11/5/15	0/0		<div><div></div><div></div></div>					
<div><div></div><div></div></div>	Test 111	b (-)	Administrator, Admin	1/12/16	0/0		<div><div></div><div></div></div>					
<div><div></div><div></div></div>	Test 111	c (-)	Administrator, Admin	2/16/16	0/0		<div><div></div><div></div></div>					

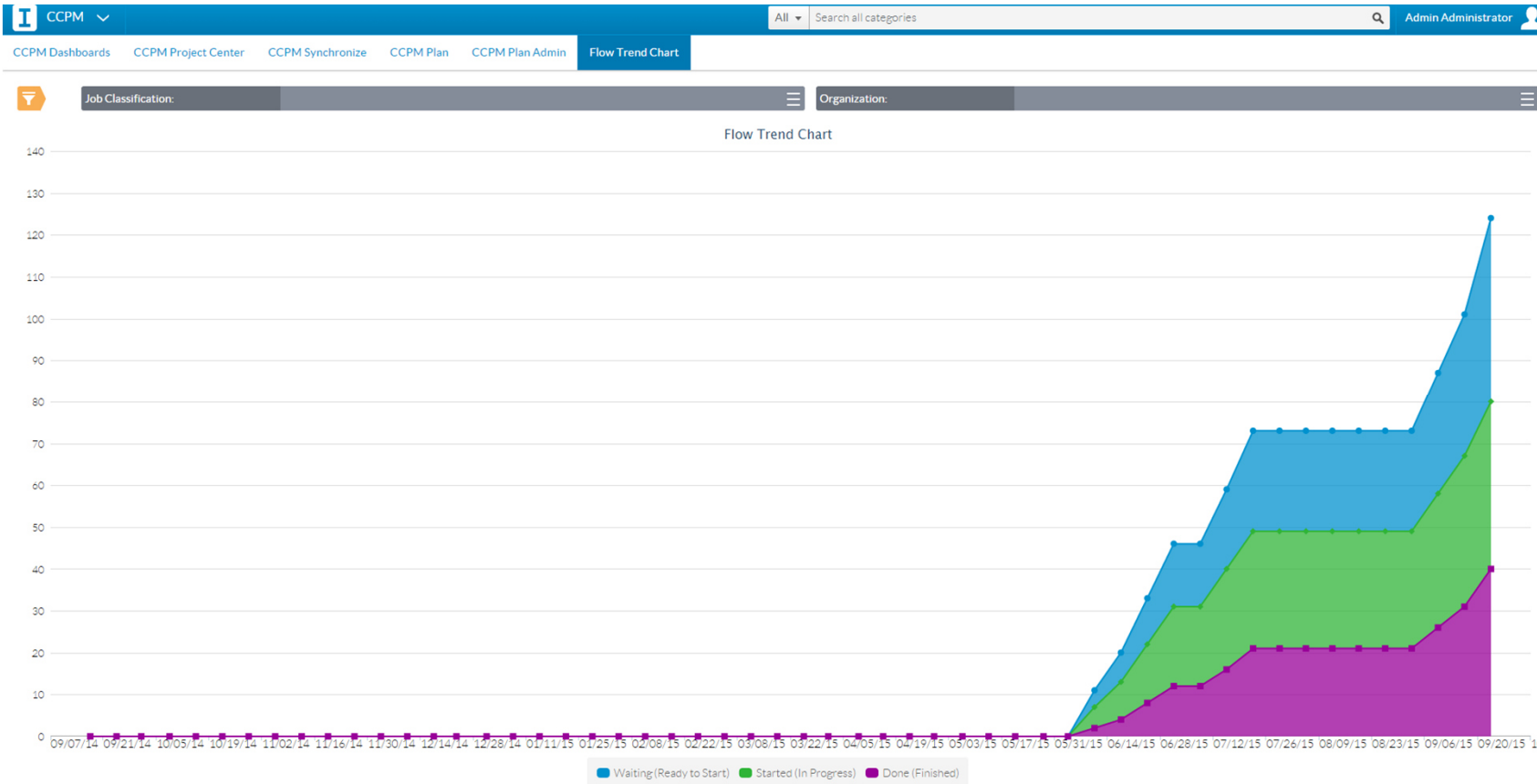
CCPM – Fieberkurve Projektleiter



Multi-project Fever Chart



Flow Trend Chart



Projektstatus

CCPM

All

Search all categories

Admin Administrator

CCPM Dashboards

CCPM Project Center

CCPM Synchronize

CCPM Plan

CCPM Plan Admin

Flow Trend Chart

Buffer Status

Gantt

Fever Chart

Task Details (In Progress)

Show Feeding Buffers

ID	Name	Manager	Current Mode	Duration	Baseline Duration	Target Finish	% CC Complete
IEMGSA7P	000000000000000	Administrator, Admin	Tracking	468.0d	250.0d	7/17/17	25.00%

Buffer Status	#	Buffer Name	% Used	Buffer Incursion	Buffer Incursion Date	Buffer Incursion Guide	Remaining Duration	Buffer Duration	Remaining Chain Length	Current Finish
	72	Project Buffer	0.00%	0d	5/8/17	5/9/17	0d	50d	150d	7/17/17
	#	Name		Elapsed	Remaining	Scheduled Finish			Baseline Finish	Variance
	9	c		0.0d	25.0d	10/20/16			11/11/16	-66.00d
	10	d		0.0d	50.0d	1/2/17			1/23/17	-63.00d
	11	e		0.0d	50.0d	3/13/17			4/3/17	-63.00d
	12	f		0.0d	25.0d	4/17/17			5/8/17	-63.00d

Taskstatus

CCPM

Changes Saved.

All

Search all categories

CCPM Dashboards

CCPM Plan

Overview

Gantt

Task Details

Network

XML Updates

Publish

New Task

Tasks

Critical Chain

More...

Status

Critical Chain

Scheduling

Cost/Effort

Ready to Start in the following [] next weeks:

all

Not to be started

Finished

Project Name	Name (Parent)	Task Manager	Start	Steps	Resource Names	Hint	Remaining Duration
In Progress							
Ready to Start							
00 Schneider :)	1 (-)		12/2/15	0/0			10.00t
Not to be started							
00 Schneider :)	2 (-)		12/16/15	0/0			10.00t
00 Schneider :)	3 (-)		12/31/15	0/0			30.00t
00 Schneider :)	4 (-)		2/15/16	0/0	VD Test, VD Test		25.00t
00 Schneider :)	5 (-)		3/21/16	0/0			40.00t
00 Schneider :)	6 (-)		5/20/16	0/0			45.00t

Vielen Dank!



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