Team 5 - FAPS Green Energy Cockpit - AMOS - Planning Tool - Administrativia

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This Doc							
Live Service	http://osr-amos.cs.fau.de/						
Code repository	https://github.com/Jather90/AMOS_proj5						
	09.04.2014	General Requirements and Expectations: http://goo.gl/hyQLo1					
	23.04.2014	Requirements Simulation: http://goo.gl/2bA7RL					
Industry Partner Meetings		Updated Requirements and Expectations:					
	07.05.2014	http://goo.gl/V87qSH					
	21.05.2014						
Example							
http://goo.gl/FRfym							

Team 5 - FAPS Green Energy Cockpit - AMOS - Planning Tool Product Vision

The Green Energy Cockpit is a Web-Service that offers the analysis, planning, controlling and simulation of a company's energy consumption. It therefore provides managers on the one hand as well as employees with a user-friendly UI and enables them to analyse, plan, control and simulate the needed energy of their production processes according to different parameters in a well-arranged way, without having to know detailed technical background. Our vision is to create a product that is easily understandable and user friendly, and allows customization in the analysis with an attractive UI. We want to provide a clear tool that is intuitive to use and therefore eases energy controlling in production firms for managers and employees.

	Team 5 - FAPS Green Energy Cockpit - AMOS - Planning Tool Product Glossary							
Term	Definition							
Analysis	In the green Energy Cockpit analysis enables the user to analyze the energy consumption of the company's machines according to different parameters. It is one view that can be picked on the starting site in the green Energy Cockpit							
Bookmarks Can be either browser bookmarks or booksmarks directly integrated in the website and account. Both with the same functionality: saving a previous report's filters/paramaters								
Default Report	A report that can be ran only with the presetted default values, without any modification.							
Energy	In the Green Energy Cockpit, energy refers to the energy consumption of the producing plant. The energy is continuously tracked by several energy meters attached to the producing machines and saved into a database.							
Energy Cockpit	In reference to a cockpit's dashboard: A structured way to display different kinds of data for Energy consumption, forecasting and planning.							
Forecast	In the green Energy Cockpit forecast offers the user to plan energy consumption in the future, to compare actual and planned energy consumption and the automatic adaption of the planned energy consumption to the actual consumption. It's one view that can be picked on the starting site in the green Energy Cockpit							
Parameter	In the Energy-Analysis and Energy-Forecast a parameter is an adjustable setting in order to execute the analysis/ forecast according to the factors WHERE/ WHEN/ WHAT FOR							
Simulation	In the green Energy Cockpit simulation can be used as the foundation for the future energy planning and the forecast. The simulation allows the specific adjustment of different machines and product in the production. It is included in the Forecast view.							
User	A user is the default role in the Energy Cockpit.							

Team 5 - FAPS Green Energy Cockpit - AMOS - Planning Tool - Release Plan

Team 5 - FAPS Green Energy Cockpit - AMOS - Planning Tool Release Plan								
Release	midterm							
No Sprints	6							
Due Date	12.04.11							
Sprint #	Theme	User Stories	Est. Size	Real Size	Burn-Down	Dev Speed		
0					75			
1	Basic Visitor Self-Admin	1, 2, 3, 4, 5	11	13	62	13		
2	Redesign & Database Integration	7, 8	4	4	58	9		
3	Database development	18, 19, 20, 21	18	17	41	11		
4	Energy Analysis	10, 16, 22, 25	14	14	27	12		
5	Energy Analysis	29, 36	13	13	14	12		
6	Energy Analysis	34, 35, 37	14		0	10		
Total			14	61				

	Team 5 - FAPS Green Energy Cockpit - AMOS - Planning Tool Product Backlog								
	Effort	Category	Short Name	Item Description	Acceptance Criteria				
23		Energy-Analysis	Default reports	As a logged-in user, I can select default reports for the given data to see a preselected report without any modification/ customization. This could be i.e. a query for a certain machine which needs to be done regularly by many users.	, · · ,				
24		Energy-Analysis	Report bookmarks	As a logged-in user, I can save a combination of filters and parameters so I don't have to define the parameters of my favourite reports everytime I use the tool. This saves time and makes future usage more convenient.	After selecting a bookmark, a new report with the bookmarked parameters and filters is displayed.				
26		Energy-Forecast	Entering and saving target values	As a logged-in user I can enter estimated target energy values (in kWh) for a certain plant (dropdown) via a free text field. This must be done monthly for the whole year in advance. This data must be stored in the database. This data is needed for the Energy forecast/simulation in order to compare it with the actual energy consumption.	After entering, the target energy values will be saved to the database as target values.				

	Team 5 - FAPS Green Energy Cockpit - AMOS - Planning Tool Product Backlog								
	Effort	Category	Short Name	Item Description	Acceptance Criteria				
31		Energy- Simulation	Product Selection	As a logged- in user, I can choose between different products (via dropdown) for the energy simulation to simulate and compare the energy usage of different products in the production. The simulation algorithm needs this for the later calculation of the energy consumption.	After selecting the product for simulation, the wanted machine is selected				
27		Energy-Forecast	Forecast- Parameters	As a logged-in user, I can select the parameters (time interval) and values that should be used by the forecasting-alorithm in order to define and change the paramters that I want to be considered by the forecast algorithm. This helps to tailor the forecast algorithm to the user's requirements. This can be necessary, if the conditions in the production site have changed significantly in the past and older data is not relevant anymore.	After selecting the forecast function I can select the different parameters/values for the forecast.				

Team 5 - FAPS Green Energy Cockpit - AMOS - Planning Tool - Product Backlog

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	Product Backlog									
	Effort	Category	Short Name	Item Description	Acceptance Criteria					
28		Energy-Forecast	Forecast- Algorithm	As a logged-in user, I can choose to display a forecast according to the selected parameters (described in User Story 27) by hitting the "Submit" button. The calculated data can be used to compare the planned and actual energy consumption.	After selecting the forecast function and hitting the "Submit" button the forecast according to the selected parameters a forecast will be displayed.					
30		Energy- Simulation	Machine Selection	As a logged- in user, I can choose between different machines (via dropdown) for the energy simulation to simulate and compare the energy usage for different machines of my production. The simulation algorithm needs this for the later calculation of the energy consumption.	After selecting the machine for simulation, the wanted machine is selected					

	Team 5 - FAPS Green Energy Cockpit - AMOS - Planning Tool Product Backlog									
	Effort	Category	Short Name	Item Description	Acceptance Criteria					
32		Energy- Simulation	Simulation Algorithm	As a logged-in user, I can choose to display a simulation according to the selected machines and products to simulate my future energy consumption, to plan the future use of machines and products and to compare the differentiation of energy consumption by the use of different machines. By comparing the different solutions/machine settings, the user can identify the most efficient one.	After selecting the simulation function the simulation according to the selected parameters a simulation will be displayed in a diagram.					
33		Energy - Forecast	Simulation Inclusion	As a logged-in user, I can include the simulation results in the Energy-Forecast to base my forecast of future energy consumption on the simulation results and not just on my own assumptions.	After choosing the inclusion of the simulation in the forecast the forecast with the simulation resulst will be displayed in a diagram.					
6	5	Visitor Self- Admin	Password- Change	As a logged-in user, I can change my password i.e. for security reasons.	After changing my password, my new password is registered.					

Team 5 - FAPS Green Energy Cockpit - AMOS - Planning Tool - Product Backlog

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	Product Backlog Effort Category Short Name Item Description Acceptance Criteria									
	Effort	Category	Acceptance Criteria							
13		Energy-Analysis	Parameter Drag & Drop	As a logged-in user, in the Analysis function, I can drag + drop the desired parameters into a field in the desired order to determine the required parameters for my request. This has the same functionality as user story 34, but is more convenient to use.	The different parameters can be dragged + dropped in the desired field. After dropping them, the parameters are selected for the analysis.					
17		Energy-Analysis	Diagram annotations	As a logged-in user, I can choose to display the diagrams with detailed data to see the detailed outcomes of my report. For this, there should be an implementation of several settings like displaying percentage, changing colors, titles, etc.	After selecting the detailed view, all results will be displayed in the chosen diagram type annotated with the necessary data.					

	Team 5 - FAPS Green Energy Cockpit - AMOS - Planning Tool Product Backlog									
	Effort	Category	Short Name		Acceptance Criteria					
38	UI Product Query Button		As a logged-in user, I can select product as a parameter (dropdown that changes according to the required machine, I can check the required product in the dropdown) in order to query energy consumption according to the required product. This feature enables me to get specific information about the energy consumption of a certain product.	according to the determined products within the dropdown. The correct data will be displayed.						
14		Energy-Analysis	Filter parameter values	As a logged-in user, after setting the parameters (time/ place/product), I can filter for more detailed results via a dropdownmenu according to my needs.	The chosen data changes according to the filtered parameters.					
9	8	Database	Dummy-DB	In order to start designing the web service a data dummybase needs to be created	A dummy database according to the Business Partners' requirements is created.					
11		Extract, Transform, Load	ETL	As a logged-in user, I can preview the transformed data in a database view.	After selecting the right parameters, the database can be previewed in a seperate view.					

Team 5 - FAPS Green Energy Cockpit - AMOS - Planning Tool - Product Backlog

E	Effort	Category	Short Name	Item Description	Accomtones Critoria
				item Description	Acceptance Criteria
12		Energy-Analysis	Parameter- selection	As a logged-in user, I can choose from a range of different parameters to use for the analysis (WHERE, WHEN, WHAT FOR)	The analysis runs according to the preselected data.
15		Energy-Analysis	Result View	~ ~	After running the anaylsis, the results are displayed in the way preselected by "Parameter Selection", "Drag & Drop" and "Filter"

	Team 5 - FAPS Green Energy Cockpit - AMOS - Planning Tool Sprint Backlog								
#	Rel.	Effort	Category	Short Name	Item Description	Resp.	Acceptance Criteria		
35	5	3 (in Rel. 5) 3 additionally	UI	Granularity Buttons	As a logged-user, I can select the granularity of the query before submitting it to customize the reports according to my needs (sometime I might need a very high level report, and sometimes I might need a more detailed report when further analysing the high level report). By doing this, I can i.e. display the results not in Energy/month but rather in Energy/day, etc. For this feature, there should be only the granularity for time implemented.	TBA	I can select the granularity of the query according to my needs (time: year, month, day). The granularity is then used fpor the query and the result is displayed accordingly.		
34	5 (originally but was not finished)	5 (in Rel. 5) 3 additionally	UI	Time Query Button	As a logged-in user, I can select time as a parameter (dropdown offers year, month, day) in order to query energy consumption according to time. This feature enables me to get detailed information about the energy consumption over a sepecific time interval.	TBA	I can select the time interval (dropdown, from to, year, month, day) I need for the query according to my needs. The correct data will be displayed.		

	Team 5 - FAPS Green Energy Cockpit - AMOS - Planning Tool Sprint Backlog								
#	Rel.	Effort	Category	Short Name	Item Description	Resp.	Acceptance Criteria		
37	6	8	UI		As a logged-in user, I can select machine as a parameter (dropdown that changes according to the required factory, I can check the required machines in the dropdown) in order to query energy consumption according to the required machine. This feature enables me to get specific information about the energy consumption of a certain machine in the factory. This feature should be implemented with a dynamic box, that slides down and opens all the options, when clicked on it. In a later feature, this should help to fill multiple queries within the same browser window. Each query can then represent an own data-set.	TBA	I can select the machines according to the determined factory within the dropdown. The correct data will be displayed.		

	Team 5 - FAPS Green Energy Cockpit - AMOS - Planning Tool Feature Archive								
#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Resp.	Acceptance Criteria
1	1	1	2	3	Visitor Self- Admin	Website Skeleton	As a guest, I can visit the website, when I enter the URL.	Sven	After visiting the website I will get an empty page and no error.
2	1	1	2	2	Visitor Self- Admin	Layout	As a guest, I can navigate through the website easily .	Sven	The website has an intuitive layout/design and an unexperienced user can navigate through it without any problems.
3	1	1	3	2	Visitor Self- Admin	Register	As a guest, I can register on the site, to become a user and get access to user functionality	Jakob	After registration, my newly created account is available right away and I can login
4	1	1	3	5	Visitor Self- Admin	Login	As a guest, I can login using my user account to get access to user functionality	Dimi	After logging in, I have access to user functionality
5	1	1	1	1	Visitor Self- Admin	Logout	As a logged-in user, I can logout to free up the computer for some other person	Dimi	After logging out, I have loose access and can only regain it by logging in again
7	2	2	3	3	UI	UI-Redesign	The homepage needs to be graphcally redesigned	Jakob	The homepage's design is improved.
8	2	2	1	1	UI		The new graphical design needs to be merged with the logic.	Sven	The homepage's new design is merged with the logic.

	Team 5 - FAPS Green Energy Cockpit - AMOS - Planning Tool Feature Archive								
#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Resp.	Acceptance Criteria
36	5	5	5	5	Database	Runinng the query	As a logged-in user, I can run the query by hitting the "Submit" button. The parameters selected in User Story 34 are then used by the website in order to create a database query. Furthermore the granularity described in User Story 36 is considered.	Sven	After hitting the "Submit" button, the results of the query according to the selected parameters and granularity are displayed in a diagram/table.
29	5	5	8	8	Energy- Analysis	Import	As a logged-in user, I can import CSV Data over an HTML-mask in a database using an import button to use the CSV file as a base for the report. The CSV file needs to be structured as the running database.	Dimi	After selecting the import function the data is loaded into the database.
18	3	3	5	5	Database	Creation Dummy- DB	As a user, I can select an empty database for the different functions of the website.	Dimi	In the different functions of the website, there is a first Database selectable (no data).
19	3	3	3	2	Database	Filling DB with data	As a developer, I can upload data in .csv/.xls(x) format into the database.	Dimi	After filling the database, the relevant data will be in the database.

	Team 5 - FAPS Green Energy Cockpit - AMOS - Planning Tool Feature Archive									
	#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Resp.	Acceptance Criteria
2	20	3	3	5	5	Energy- Analysis	DB-Query	As a user I can query data according to a filter from the database.	Sven	After the query, data will be filtered according to the filter.
2	21	3	3	5	5	Energy- Analysis	Table View Display	As a user I can display the queried data in a table view.	Jakob	After choosing the "Table View Display" function, the data will be displayed in a table view.
2	22	4	4	5	5	Energy- Analysis	Bar Chart Display	As a user I can display the queried data in a bar chart.	Jakob Sven	After choosing the "Bar Chart Display" function, the data will be displayed in a bar chart.
2	25	4	4	5	5	Energy- Analysis	Report download	As a logged-in user, I can download the results of the report.	Dimi	After selecting the download function, the results of the report will be downloaded.
1	0	4	4	1	1	Navigation	Choose functionality	As a logged-in user, I can pick from the different functions of the cockpit.	Sven	After clicking the desired function's button I am forwarded to the correct subpage.
1	6	4	4	3	3	Energy- Analysis	Additional Diagram Display	As a logged-in user, I can choose to display the results of the analysis in different diagrams.	Jakob Sven	After selecting the desired diagram type, the results of the analysis are displayed in the chosen diagram type.
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Team 5 - FAPS Green Energy Cockpit - AMOS - Planning Tool								
Impediments # Cotogon / Programme P								
#	Category	Description	Date 16.04.2014	Resolution/ Progress We got some information about the data from our industry partner, but this is still not detailed enough. Tobias and Toni hope to be able to provide us with data by this week. Otherwise our Software Developers really	Status			
	Database	No information about the data, data structures, database and interfaces was provided by the industry partner yet.	23.04.2014	have a problem with developing. We received dummy data which is fine for the moment, but we are still waiting for additional/final data.				
1			07.05.2014	The data is still incompletet but we should receive the rest by friday. If we don't receive the data by Friday, we are allowed to construct our own data.	critical			
			12.05.2014	We have not received the further product data on Friday but they promised to deliver the data on Wednesday. We'll have to think about constructing our own data for the next sprint.				
			15.05.2014	FAPS still received no data. Tobias from FAPS will have a new appointment with Heidelberg Kalksandstein tomorrrow.				
		Intentionally we wanted to use Google Charts to display the results	23.04.2014	We found JFreeCharts as an alternative. Still need to check whether it's possible to implement them.				
2	Energy-Analysis	of the energy analysis. The industry	30.04.2014	We need to check if the industry partner is satisfied with this solution.	resolved			
3	Energy-Analysis	There is still an uncertainty about the way the energy meters track and	23.04.2014	First impression from the dummy data, but still needs to be clarrified.	critical			
4	Communication	later save the energy consumption of Communication between SDs in particular and between all team members in general is a problem.	07.05.2014 14.05.2014	Still no information. Daily mobile SCRUM in WhatsApp. Every Evening short update about what the SDs have done, what they require and what they plan to do the next day.	resolved			
		пенього ит успетано а ргомент.		require and what they plan to do the flext day.				

Team 5 - FAPS Green Energy Cockpit - AMOS - Planning Tool - Roles

Team 5 - FAPS Green Energy Cockpit - AMOS - Planning Tool Roles						
Sprint	Review & Release Manager	Scrum Master				
1	Huprich, Sven	Wiebe, Cindy				
2	Abb, Dimitri	Niedermeier, Ferdinand				
3	Huebler, Jakob	Huprich, Sven				
4	Abb, Dimitri	Abb, Dimitri				
5	Huprich, Sven	Huebler, Jakob				
6	Huebler, Jakob	Wiebe, Cindy				
7	Huprich, Sven	Niedermeier, Ferdinand				
8	Abb, Dimitri	Huprich, Sven				
9	Huebler, Jakob	Abb, Dimitri				
10	Huprich, Sven	Huebler, Jakob				
11	Abb, Dimitri	Wiebe, Cindy				
12	Huebler, Jakob	Niedermeier, Ferdinand				