

Project Name	Carbon Footprint Visualization
Production system (if any)	...
Test system (if any)	...
GitHub repository	https://github.com/amosproj/amos-ss2021-carbon-footprint
GitHub kanban board (project)	https://github.com/amosproj/amos-ss2021-carbon-footprint/projects/1
Team T-shirt (black)	https://www.shirtinator.de/loadBasket/gawEFWZioZC
Zoom-Meeting	https://fau.zoom.us/j/64835513630

Last Name	First Name	GitHub User Name	Email Address
Anand	Mani	manifau	mani.anand@fau.de
Dürsch	Martin	MartinDuersch	martin.duersch@fau.de
Gandomkar	Parham	gandompm	parham.gandomkar@fau.de
Oelhaf	Julian	ScoutAtlas	julian.oelhaf@fau.de
Olyae	Ehsan	Olyae	ehsan.olyae@fau.de
Scheiderer	Michael	MichaelScheiderer	michael.scheiderer@fau.de
Toroslu	Irem	IremToroslu	irem.toroslu@fau.de
Varanasi	Sai Varun	SaiVarunVaranasi	varun.sai.varanasi@fau.de
Wagner	Martin	Waldleufer	martin.wagner@fau.de

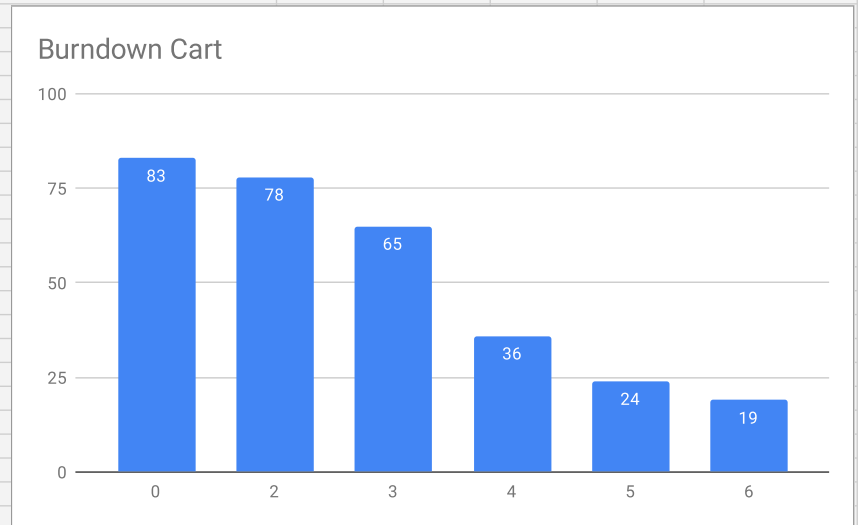
Goals	Experience Agile/Scrum
	Achieve our defined project mission
	Develop software that is able to visualize the carbon footprint of some machinery / production environments (scenario) under different circumstances (calculations)
	Design a valuable product with functions that the user really uses
Meeting norms	Inform the others if you can't attend
	Everyone shows up on-time
	We do not interrupt each other
	Attend all of the meetings
Working norms	Everyone contributes regularly
	We value quality over quantity
	Lines of comments (well documented) > Lines of Code
	Recommendation: Visual Studio Code
	Testing/Verification (Unit Testing)
Coordination norms	Scrum tools
	People choose what they want to work on, unwanted work gets split up over all team members equally. (managed by Scrum Master)
	Put everything non code related to the google drive folder
	Every job has a responsible person
Communication norms	Email for important things
	GitHub for Code related things
	Slack for organizational and product related discussions
	Protocol of the Meeting (in google drive, like a summary) - writing meeting minutes - documenting decisions
	We check Email at least once a workday
Consideration norms	All important decisions made in the team meeting
	Possibility of a emergency meeting with at least 1 PO, 2 SD
	We discuss disagreement openly
	We vote for a final resolution
Cont. improvement norms	Using the kanban system to track the teams progress
	Using the continuous demo releases to track the improvement of our system
Rewards	To celebrate the achievement of a goal we will meet for a beer (or maybe a cocktail) if possible in person otherwise online
Sanctions	You must raise clear violations of the team contract
	We apologize by writing a 4 line poem about how one will improve themselves (and the meaning of life) and share it with the team!

#	Meeting Day	Comment	Coach	Product Owner	Software Developer	Scrum Master	Release Manager
1	2021-04-14		Yes	Olyae, Scheiderer	Everyone else	(Varanasi)	(Anand)
2	2021-04-21		Yes	Olyae, Scheiderer	Everyone else	Varanasi	Dürsch
3	2021-04-28			Olyae	Everyone else	Scheiderer	Gandomkar
4	2021-05-05		Yes	Olyae	Everyone else	Scheiderer	Oelhaf
5	2021-05-12			Scheiderer	Everyone else	Olyae	Toroslu
6	2021-05-19		Yes	Scheiderer	Everyone else	Olyae	Varanasi
7	2021-05-26	Mid-term due	Yes	Olyae, Scheiderer	Everyone else	Wagner	Wagner
8	2021-06-02			Olyae, Scheiderer	Everyone else	Wagner	Anand
9	2021-06-09			Olyae, Scheiderer	Everyone else	Anand	Dürsch
10	2021-06-16		Yes	Olyae, Scheiderer	Everyone else	Anand	Gandomkar
11	2021-06-23			Olyae, Scheiderer	Everyone else	Gandomkar	Oelhaf
12	2021-06-30			Olyae, Scheiderer	Everyone else	Gandomkar	Toroslu
13	2021-07-07		Yes	Olyae, Scheiderer	Everyone else	Toroslu	Varanasi
14	2021-07-14	Demo day!		Olyae, Scheiderer	Everyone else	Toroslu	Wagner
15	2021-07-21	Retrospective		Olyae, Scheiderer	Everyone else	N/A	N/A
						(Assignments refer to start date / start sprint)	

Product Vision	Project Mission
<p>The vision of this project is to create a (web) application to visualize, compare and analyze the impacts such as global warming, ozone layer depletion, acidification, etc that come from the production, use, and end-of-life of a product or service. We aim to set the highest standards for environmental protection in the industry and urge business partners to share this ambition and cooperate with both customers and suppliers to strive for continual improvement. We calculate the carbon footprint and help our customers to understand the impacts and risks associated with it and offer alternatives.</p> <p>To present those numbers effectively, they need to be visualized. This is where the "Carbon Footprint Visualization" comes in. Salesman can use the visualization to directly show the customers the impact a product has on the environment and how the impact could be reduced with another version. For example, we could possibly convince customers to invest in something that reduces CO2 emissions, which maybe is more expensive now but will payout in the long run by slowing down global warming.</p>	<p>We pursue ambitious goals with regard to resource efficiency and environmental protection, and hence create long-term value by treating people and the environment in a responsible manner. The main objective of our environmental work is to prevent pollution and continually reduce the environmental impact of our activities in order to protect the environment for future generations.</p> <p>To meet these objectives, we will maintain and further develop a culture in which reducing the environmental impact over each product's life cycle is an integral part of our daily work practices.</p>

Term	Definition
Project	Synonym for projects created by Siemens Energy experts at SimaPro
Product	Synonym for the products available in Siemens Energy projects. For example, gas turbine or transformer
Model	Synonym for available models of a product. For example, a 3-phase GSU transformer. All the models are modeled by SimaPro. Detailed information of a model could be found at canvas section in SimaPro
Baseline scenario	Baseline scenario of a product with a default value for its variables
Scenario	The scenario created by changing default values of a model
Canvas	A window in which a scenario of a product is visualized
SimaPro Canvas	A canvas in which a SimaPro model is visualized. its different than the canvas in Carbon Footprint project

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Type	Link / reference
Software Build and Deployment Document	https://github.com/amosproj/amos-ss2021-carbon-footprint/blob/main/README.md
User Documentation	https://github.com/amosproj/amos-ss2021-carbon-footprint/wiki/User-Documentation
Technical Documentation	https://github.com/amosproj/amos-ss2021-carbon-footprint/wiki/Technical-Documentation

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#	Context	Name	Version	License	Comment
1	Frontend Framework	React.js	16.13.1	MIT	https://www.npmjs.com/package/react
2	Frontend Framework	react-admin-dashboard	2.0.0	MIT	https://github.com/llorentegerman/react-admin-dashboard/tree/v2-0-0
3	Frontend Framework	react-hook-form	7.5.2	MIT	https://www.npmjs.com/package/react-hook-form
4	Frontend Framework	react-jss	10.7.1	MIT	https://www.npmjs.com/package/react-jss
5	Frontend Framework	react-router-dom	5.2.0	MIT	https://www.npmjs.com/package/react-router-dom
6	Frontend Framework	simple-flexbox	2.3.3	MIT	https://www.npmjs.com/package/simple-flexbox
7	Frontend Framework	react-grid-system	7.1.2	MIT	https://www.npmjs.com/package/react-grid-system
8	Frontend Framework	react-apexcharts	1.3.9	MIT	https://www.npmjs.com/package/react-apexcharts
9	Backend: Framework	.NET 5	5.0.0	MIT	
10	Backend: Package	AspNetCore.Proxy	4.2.0	MIT	https://www.nuget.org/packages/AspNetCore.Proxy/
11	Backend: Package	Newtonsoft.Json	13.0.1	MIT	https://www.nuget.org/packages/Newtonsoft.Json/
12	Frontend Framework	w3.css	4.15.0	MIT	https://www.w3schools.com/w3css/
13	Static Code analysis	CodeQL		MIT	Github tool
14	PDF Generator	jsPDF	2.3.1	MIT	https://www.npmjs.com/package/jspdf
15	Frontend-Backend Connection	axios	0.21.1	MIT	https://www.npmjs.com/package/axios
16	Frontend Framework	Material-UI	4.11.4	MIT	https://www.npmjs.com/package/@material-ui/core
17	Frontend Testing	Enzyme	3.11.0	MIT	enzyme - npm (npmjs.com)
18	Frontend Testing	Jest	26.6.0	MIT	
19	Frontend Testing	identity-obj-proxy	3.0.0	MIT	
20	PDF Generator	react-pdf/renderer	2.0.12	MIT	https://www.npmjs.com/package/@react-pdf/renderer
21	Frontend State Management Framework	Redux Toolkit	1.6.0	MIT	https://www.npmjs.com/package/@reduxjs/toolkit
22	Frontend Framework	apexcharts	3.27.1	MIT	https://www.npmjs.com/package/apexcharts
23	Middleware Framework	cors	2.8.5	MIT	https://www.npmjs.com/package/cors
24	Image Generator	html2canvas	1.0.0-rc.7	MIT	https://www.npmjs.com/package/html2canvas
25		jspdf-autotable	3.5.14	MIT	https://www.npmjs.com/package/jspdf-autotable
26	Prop Types	prop-types	15.7.2	MIT	https://www.npmjs.com/package/prop-types

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DEMO DAY SCHEDULE																							
Registration		https://forms.gle/DuZcSX6CAKJaVHKF9																					
Time	Duration	Responsible	Title	Room	Presenters										shows the demo soft		Shows the video	presents the demo(talks)		Architecture			
10:15	10 min	Riehle	Introduction	Main room																			
			One slide summary	Main room														Mani					
10:25	10 min	Teams	Demo	Demo rooms	Michael	Ehsan	Varun	Irem	Mani	Julian	Martin W	Martin D	Parham	Michael	Michael	Michael	Martin D						
10:35	20 min	Teams	Demo	Demo rooms	Ehsan	Varun	Julian	Mani							Varun	Ehsan	Ehsan	Varun					
10:55	20 min	Teams	Demo	Demo rooms	Ehsan	Varun	Irem							Varun	Ehsan	Irem	Varun						
11:15	20 min	Teams	Demo	Demo rooms	Michael	Martin D	Parham							Parham	Michael	Parham	Martin D						
11:35	20 min	Teams	Demo	Demo rooms	Michael	Martin D	Martin W							Martin W	Michael	Martin W	Martin D						
11:55	20 min	Teams	Demo	Demo rooms																			
12:15	5 min	Riehle	Conclusions	Main room																			
Demo room 1	Siemens Energy	EMBA Service		https://fau.zoom.us/j/64700134419?pwd=																			
Demo room 2	CPU 24x7	Context Map		https://fau.zoom.us/j/69582957638																			
Demo room 3	GRAU DATA	Synthetic File System		https://fau.zoom.us/j/61254825119																			
Demo room 4	DATEV	Inner Source Project Linter		https://fau.zoom.us/j/69975191992																			
Demo room 5	Büren & Partner	3D Viewer		https://fau.zoom.us/j/66869909859?pwd=																			
Demo room 6	Huawei	Neural Network Enablement		https://fau.zoom.us/j/7153384413																			
Demo room 7	Startup	Bike Nest		https://fau.zoom.us/j/7658200455?pwd=																			
Demo room 8	Siemens Energy	Carbon Footprint Visualization		https://fau.zoom.us/j/64835513630																			