The Future of Green IT

Implementing sustainability in IT with Deloitte Tech Strategy & Operating Model

WHY?

Increasing energy usage and environmental concerns force us to look into green innovation. In today's world improving Corporate Social Responsibility (CSR) is becoming the main point on every business agenda. Organizations need to become more sustainable in every aspect to stay relevant. To minimize a company's carbon footprint, IT should also be included in the strategy. Therefore, greening IT is and will continue to be a necessity, not an option (Murugesan, 2008).

HOW?

By applying desk research, followed by qualitative interviews. The results and findings formed the basis for the fifteen design principles and future vision. To make the vision a reality, co-creation sessions were given to collaboratively develop the solution. The solution was evaluated in various ways and is implementable for Deloitte TSOM Globally.

WHAT?

The result consists of a modified framework, implementation strategy, and AIDA adoption model for employees. In the Tech TOM framework capabilities are added to include sustainability in IT assessments. Additionally, an implementation roadmap was created using the AIDA model to ensure a straightforward adaption process.

Strategy & Portfolio	Product & Platform Delivery Product Management & Design			Service Orchestration	Analytics & Insights	
Business – Technology Strategy	Product Lifecycle & Roadmap Mgmt	Service & Experience Design	Solution Architecture & Design	Release Management	Service Support Management	Business Insights
Business Engagement	Product Outcome Mgmt & Reporting	User Interaction & Visual Design	Development & Configuration	Platform Operations & Optimisation	Monitoring	Reporting, Analytics & Cognitive
Portfolio & Investment Management	Product Adoption & Communication	Responsible Design	Quality Assurance & Testing	Platform Service Resolution	Service Lifecycle Management	Data Management & Engineering
Enterprise Architecture	Pipeline & Environments Mgmt		Service Performance Management	Data Architecture & Governance		
Innovation Management	Delivery Management			Asset & Configuration Management	Emission Measurement	
Sustainability Strategy	Sustainability Compliance Mgmt	Sustainability Compliance Mgmt Protect			Supplier Ecosystem Management	
	Cyber Strategy & Governance	Security Operations	Identity & Access Management	Compliance & Regulation <u>Mgmt</u>	Sustainable Sourcing Strategy	
	Data Protection & Privacy	Cyber & Technology Resilience	Application & Platform Security	Risk Management		
Business of Technology Manageme	Sustainability Engagement Management	Financial Management	Talent Management	Learning & Development	Knowledge Management	Communications & Executive Reporting

	Awareness	Interest	Desire	Action		
Timeframe	2 weeks	1 month	6 months	1 year		
Target group	TSOM Employees	TSOM Employees	TSOM Employees	TSOM Employees		
Phase owner	TSOM Employees	Team Lead / Sustainability in TSOM team	Sustainability in TSOM team	Sustainability in TSOM team		
Goals	 Display the new adjustments Increase knowledge of Green IT Show the higher purpose of why this needs to be implemented Gain employees input on onboarding activities 	 Display the value that can be created by Green IT Inspire employees with the positive impact Display what's in it for the employee 	 Consultants mindset changes to a positive look at Green IT Consultants think green IT is implementable Competition element to make Green IT implementation enjoyable 	 Employees apply the new framework Employee feels proud about the sustainable accomplishments of the team 		
Activities	 Informational (animation) video Workshop/Co-creation session Slide deck regarding the new adjustments Knowledge sharing Tutorials Training 	 Create Sustainability in IT team within TSOM Present the new Capability Model Adapt/prepare trainings Best practice training step-by-step implementation explanation of each capability 	 Gamification of implementing the capabilites Create a healthy competition Co-Create conversation starter deck Become an expert training 	 Rewarding: TSOM Climate Champion Certification Set personal implementation goals: rewarding if you can convince the client to asses/improve sustainability Share results at the sustainability café 		
Description	In this phase the aim is to make the TSOM colleagues aware of the new implementations which are coming, while co-creating the implementation strategy. First training are given and knowledge on the topic is shared.	In this phase the aim is to spark interest in sustainability in IT by showing the new framework, sharing knowledge and provide step-by-step examples of successful implementation.	In this phase the aim is to create a desire to participate in the sustainable IT solutions. Team members will be challenged to complete the capabilities in mock projects and are able to compete with their team members.	In this phase the aim is to give the final push and create actionable activities to encourage implementing the new framework for everyone who was not already using the new capabilities.		
KPI	Phase succesful when 80% of the TSOM team members have completed the tutorials/trainings	Phase successful when the results of the survey show that 80% of the TSOM team members are confident in applying the new capabilities correct	Phase successful when 80% of the TSOM team members have successfully implemented the new capabilities in the mock project	Phase successful when 90% of the TSOM team members use the new capability model as the default capability model		

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