

PPP: FoF Topic FOF-NMP-2012-1
Title Sustainability as a Service (SuSaaS)

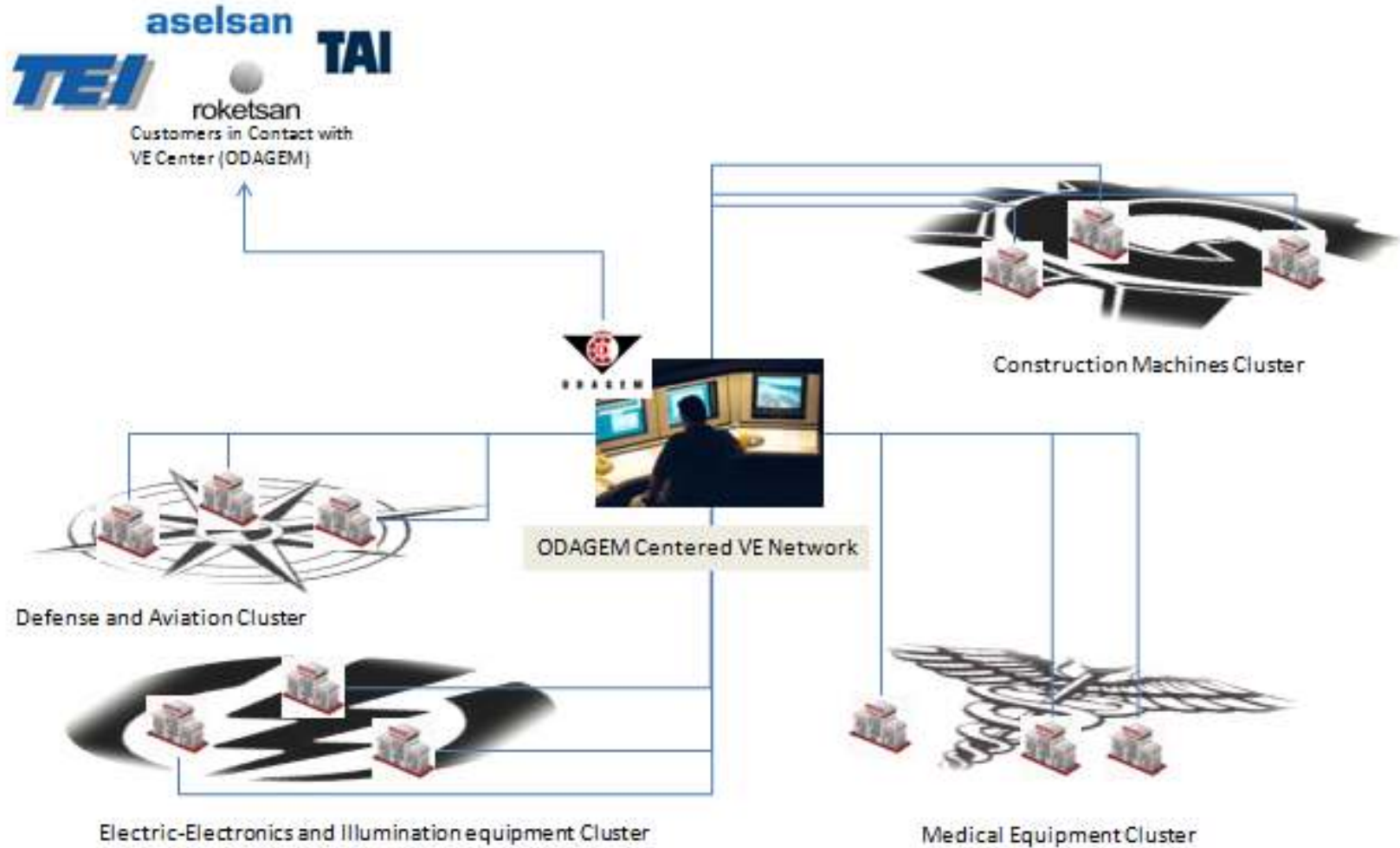
Objectives:

- Provide cost-effective sustainability services to regional SME clusters and OEMs.
- Develop eco-tracking and eco-improvement services and solutions utilizing cloud computing technologies.
- Focus on energy contextualization of manufacturing activity to deliver energy-KPIs.
- Optimize production processes for eco-efficiency and generate sector specific eco-design best practices.

Expected results:

- Decision making for re-configuration of manufacturing processes targeting 20% energy reduction.
- Reduced carbon footprint operation of virtual enterprise formed of SME clusters while enhancing collaboration for eco-design.

Sustainability and Collaboration focused Virtual Enterprise



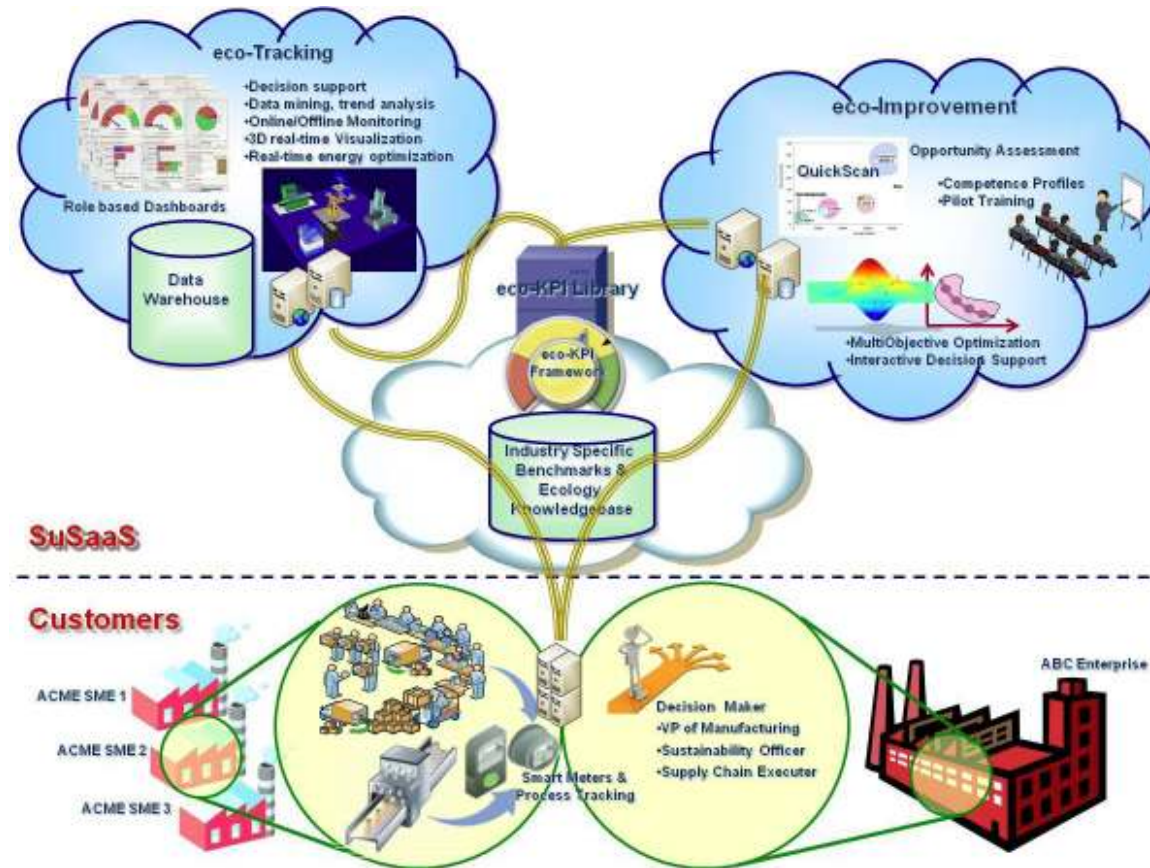
*TOBB-Economics and
Technology University, Ankara*

*Contact person:
Dr. H. Ozgur Unver*

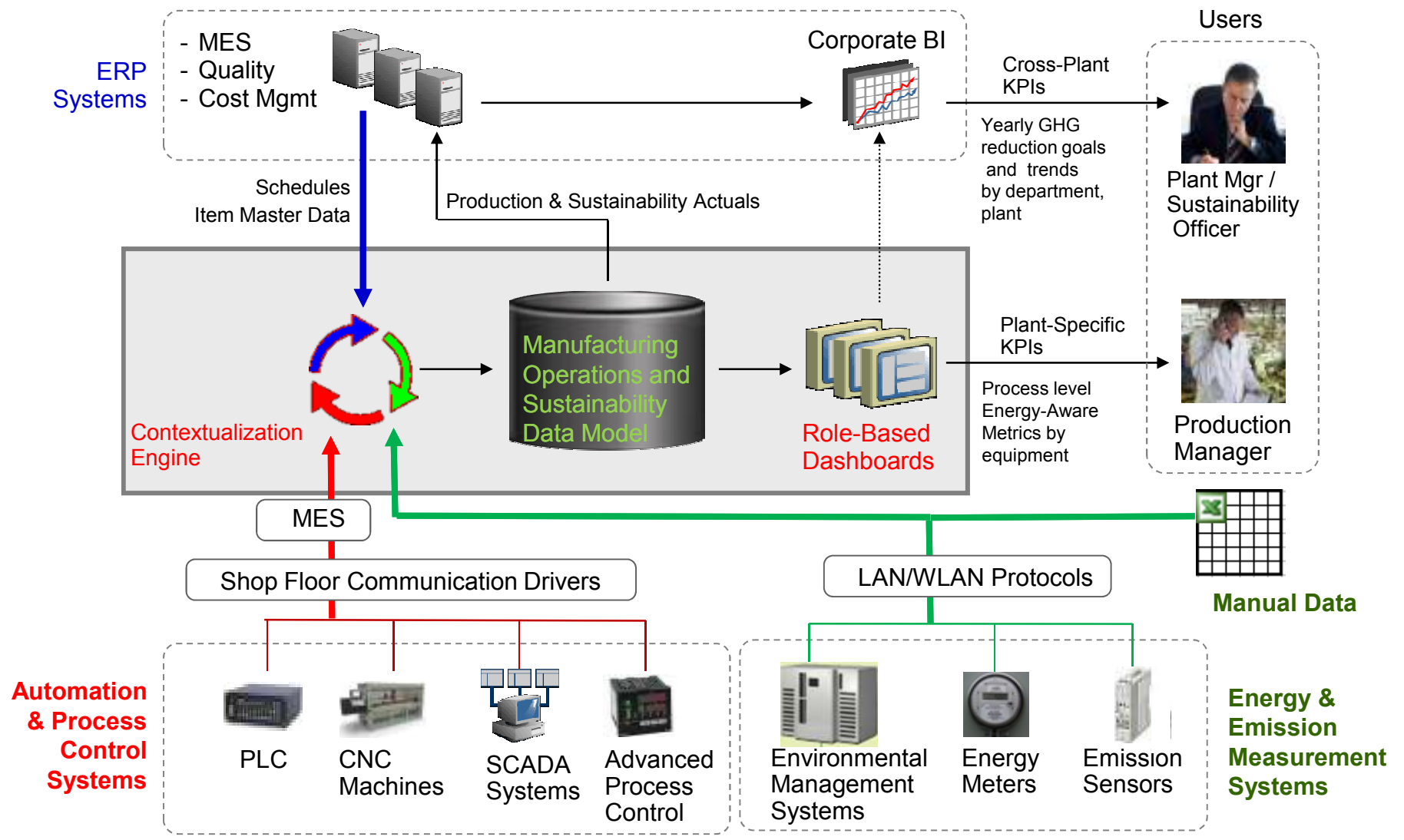
*E-mail:
hounver@etu.edu.tr*

*Phone:
+903122924261*

Cloud based eco-decision framework for Virtual Enterprises



eco-tracking architecture



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Known Partners				
S.No	Partner Name	Type	Country	Role in the Project
1	TOBB-Economics and Technology Univ	Unv	TR	Research & Technology Development partner
2	ODAGEM- (OSTIM industrial park)	INT(SME)	TR	Central intermediary agent for providing SuSaaS to SME clusters
3	Arcelik(Beko) A.S	LE	TR	Use Case implementor in household goods sector
4	TUSAS Engine Industries(TEI)	LE	TR	Use Case implementor in aerospace sector
Required Partners				
S.No	Profile	Type	Country	Role in the project
	Coordinator			
	Multi objective optimization	Unv		Research and development
	Industrial ecology	Unv		Research
	Automation Solution provider	SME		Development and integration

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