

For Partner Search: Please do not forget to fill the expected requirements for the possible project partner(s).

Program Type (If you are not sure, please do not fill)	
EUREKA	<input type="checkbox"/>
EUREKA Clusters	<input type="checkbox"/> If yes, name of Cluster
EUREKA Umbrellas	<input type="checkbox"/> If yes, name of Umbrella
EUROSTARS	<input checked="" type="checkbox"/>

Contact Person Details	
Title / Name Surname	esenelektrik / efdal zihar
Position	Top manager
E-mail / Phone	efdalzihar@gmail.com / 0.532.234 16 31

Organization Details	
Name	Esen Elektrik Tic.San.Ltd.Sti.
Address	Yukarı Sanayi 2.sokak No:15
City / Country	Corum / Turkey
Website	www.tecon.com.tr
Type of Organization	<input checked="" type="checkbox"/> SME <input type="checkbox"/> Large Company <input type="checkbox"/> University <input type="checkbox"/> Research Institution <input type="checkbox"/> Administration <input type="checkbox"/> Other: please specify:
Number of Employees	<input checked="" type="checkbox"/> <10 <input type="checkbox"/> 11-50 <input type="checkbox"/> 51-100 <input type="checkbox"/> 101-200 <input type="checkbox"/> 201-250 <input type="checkbox"/> > 250
Last Turn Over / Balance Sheet	2008 /675 586.04 TL

- Describe the activities, products, services and expertise of your organization:
 - (Firm's actual activity issues)
- Electricity facilities projects, their production, commitment, installation and research & improvements intended to the industrial issues.
- Production of our devices can be seen on our web page.

Project Details	
Project Title	Mud Presser Automation for soil manufacturing facilities
Keywords	Mud Blocker,mud presser otomation,production facilities,work security
Describe your project: <p>Our project's subject is to constitute an automatic transfer system that will be used to bestow moving mud blocks into mud presser instead of man power in the roof tile production facilities.</p> <p>According to the alternative products improvements in the roof tile market and opposition conditions, initiation of this project is to save one worker by one presser and minimize the production costs; also to prevent possible accidents like workers' body injuries that can occur during transfer of the mud blocks, which currently accomplished by man power.</p> <p>Basic study in the project will be the design of a microprocessor-based and electronically and remotely controlled phonomatic automation system to transfer the mud blocks into the presser moulds in appropriate positions without any shape deformation instead of the currently used system which is based on man power, and to produce first products according to the different types of tile facilities demands.</p> <p>During the currently used process, it's dangerous to transfer mud blocks into moving presser according to job security and because of its' danger, several injuries occurred in which the workers generally stuck their hands in the pressers. By implementing our project, only advantage will not be preventing these accidents; but also increasing the transfer speed of the mud blocks into consistently working pressers, or at least feeding the pressers at a constant speed which changes according to the workers' performance and make this production factor independent from that. Additionally, if we assume that there are 10 pressers in every facility and 1 worker by 1 presser; it will be possible to prevent this 10 unnecessary work force into a dangerous work. This condition will help the facilities to reduce the costs per unit.</p> <p>Another advantage of our project is to deploy the pressers with mud blocks in right positions. It can be mentioned that there's a waste in the mud blocks in currently used systems according to the workers' faults; so this will be prevented, too.</p> <p>The system will be completed by transferring the shaped mud blocks to the conveyors. This step still works with man power which can also be processed by an automatic system,too.</p>	



TÜBİTAK

EUREKA - EUROSTARS

Project Pre-Application Form



EUREKA



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Describe the innovative part of your project:

Whole process is about to inject mud blocks to mud pressers that passes through the conveyors within the requested coordinates and without shape deformation, with a transfer system which has an electronic microprocessor controlled and phonomatic movement ability architecture

Describe the market expectations of your project:

Planned end products or its' similar did not come up in any source. If the end product actually manufactured, facilities will save one worker by one presser; if we assume that there are 10 pressers, that means a 10 worker save in the costs by facility. Production costs will decrease dramatically that will help to find out the vying cost. Also, efficiency at the manufacturing phase based on workers performance can be calculated or controlled

Possible Partner Profile

Type of Partner Needed
(multiple choices are allowed)

- | | |
|--|---|
| <input checked="" type="checkbox"/> SME | <input type="checkbox"/> Large Company |
| <input checked="" type="checkbox"/> University | <input type="checkbox"/> Research Institution |
| <input type="checkbox"/> Administration | <input type="checkbox"/> Other, please specify: |

Desired country(s) for partnership, if any

Any

Describe the expertise of possible partner(s) required for your project:

Our possible partner(s) should help us to complete our automation project, also with adequate hardware capability and expertise.

Possible partner(s) should have the following achievements:

- A part of the mechanic industrial market in their own country or at least can have the capability to produce add-on parts.
- Have enough technical staff, personal and hardware about the project or similar issues.

Describe the role of possible partner(s) in your project:

Our partner(s) will manufacture the part in their responsibility to achieve project goals in the terms of production efficiency. That will be about transferring the mud blocks to the conveyor which is shaped by the pressers in the earlier step.

Also they should help us to improve our system's modernization in the future and assistance in the marketing within Turkey or through E.U.

Date: 21 /12 / 2009 (day / month / year)
Deadline for Partner Search: / / (day / month / year)

Please send the filled form to eureka@tubitak.gov.tr