

How to Promote Off-Site Fabrication Practice of Rebar in Turkey?

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1 of 3 Rebar Fabrication Shops in Turkey



Maslak Trade Center Project – stick built



Forces for & against Off-Site Fabrication

Deployment of Off-Site Fabrication of Rebar in Turkey

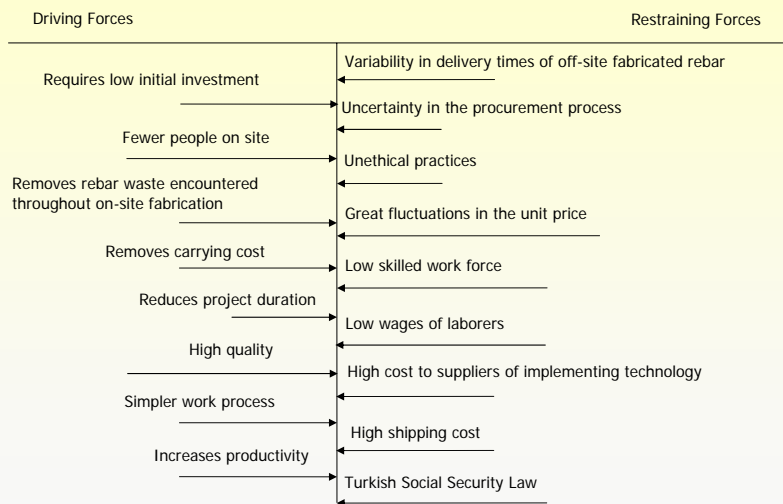


Figure 1: Forces for and against the Deployment of Off-Site Fabrication of Rebar in Turkey

How to Overcome those Problems?

1) Nationwide Obstacles

- Modifications in Turkish Social Security Law,
- Deployment of financial or insurance instruments,

2) Industry Wide Obstacles

- Apprenticeship programs, technical Schools,
- Unionization,
- Lowering the cost of off-site fabrication of rebar,
- promoting rail and sea freight transportation

3) Companywide Obstacles

- Initiating a movement for restructuring the current system

Conclusions

This study is useful in two ways.

1) It identifies the driving and restraining forces in the Turkish construction industry, and perhaps the construction industries of other developing countries, that affect contractors' decisions about rebar fabrication, and presumably other prefab/site fab decisions.

2) It proposes a strategy for promoting off-site fabrication practice of rebar, which is arguably necessary for the implementation of lean construction in Turkey and similar countries.

Thank you for your attention.

Questions? Comments?