Exploring the Optimum Cost and Time for the Project
“Improvement Cemex Egypt Logistics Waiting Area”

Sayed M. Elkhouly, American College of Dubai
Ahmed Abdrabelnaby Mohamed
Mohamed Abdelraouf Ali

ABSTRACT

CEMEX, as a leader in the Cement industry, is keen to put SAFETY at the top of its priorities. Highlighted by the
global vision of putting value before volume, CEMEX Egypt decided to improve its logistics waiting area by going
through many steps and using CPM/PERT network analysis to determine the tradeoff between optimum time and
cost. Reducing the project time by 97 days will cost 1,220,248 EGP. This clear estimation can help with a prompt
follow up and set the proper corrective and preventive actions. Finally, this paper demonstrates the time management
by crashing.

Keywords: CEMEX, Safety, Logistics, CPM, PERT, Crash