

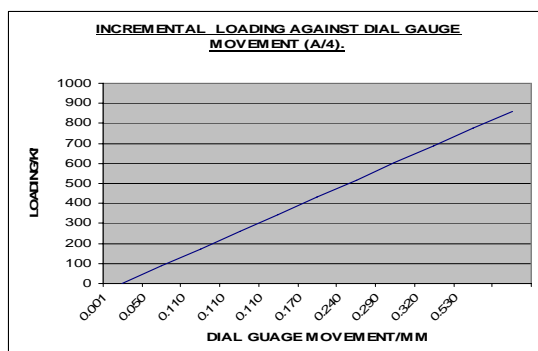
At **SOUTHBANK UNIVERSITY** other than carrying out post-tensioning works for slabs and transfer beams, an interesting challenge put forward by the client was undertaking the heavylifting works for transferring load carried by tower slabs onto steel trusses.

Location	Southbank University, London
Project period	November 2008
Client	Coinfords

Application	Bar-stressing and Heavy Lifting
Specialist Contractor	STRONGFORCE



The heavy-lifting contract involved the transfer of 4 levels of insitu concrete structure over an atrium onto 2 spanning steel trusses by suspending the floors from 6 number 50mm Macalloy bars. Incremental loads were applied by 6 number 150T hollow ram jacks simultaneously through single control system. The key challenge was to monitor multiple systems employed to measure loads induced in jacks & 'lift-off' (load-deflection plot).



Recorded deflection at transfer was < 0.7mm

