

Powerlink/PADCo Transportation System



Key information

Project value **\$368 million**

Introduction

Balfour Beatty Capital was awarded a \$368 million, 30-year public-private partnership (PPP) project to operate Powerlink, the London Underground high-voltage power system.

Balfour Beatty has a 10% share in the investment company. As of December 31, 2005, Balfour Beatty had invested \$8 million in the project. Balfour Beatty's total committed investment is \$14 million.

Project overview

- Comprises the operation, maintenance and renewal of the existing power distribution network and of the generating station at Greenwich
- The existing London Underground workforce was transferred to the project
- Revenue is derived from a fixed-fee that is subject to deductions based on performance.
- Construction of the new assets is undertaken as a joint venture in which a Balfour Beatty Group company, Balfour Kilpatrick, has a 40% share.
- Construction is substantially complete on the new power assets and the operating performance has been satisfactory.



Creating new assets

The major new asset works are:

- The installation of battery supplies in all subway and subsurface stations together with the refurbishment of the Greenwich emergency generating station
- Decommissioning Lots Road power station
- Upgrading the Northern Line power distribution system
- Replacing the network control system
- Reinforcement of the distribution system, including replacement switchgear
- Installing equipment to smooth out voltage fluctuations and compensate for harmonic distortions in the power network

*"We are fully committed to ensuring that EDF Energy Powerlink is a socially responsible company that actually **works to improve the quality of the environment in which we operate.**"*

Brian Gray, Director of EDF Energy Major Projects, our partners in Powerlink