

<p>A2P Consult - Estudos e Projectos, Lda</p> <p>Rua Acácio de Paiva, 27 1700-004 LISBOA Tel.: (351) 21 845 50 40 Fax: (351) 21 848 40 49 E-mail: geral@a2p.pt Web site: www.a2p.pt</p>	<p>Corporation Form Limited Liability Company</p> <p>Registered Capital 20.000 euros</p> <p>Board of Directors Júlio Appleton, Civil Eng. João Appleton, Civil Eng.</p> <p>Directors Júlio Appleton, Civil Eng. João Appleton, Civil Eng. Vasco Appleton, Civil Eng. António Costa, Civil Eng.</p> <p>Permanent Personnel Total: 30 Graduates: 17 Other Technicians: 9 Administrative Staff: 4</p> <p>Turnover (2008) 2.134.000 Euros</p> <p>Main Associations</p> <ul style="list-style-type: none"> • GPBE - Grupo Português de Betão Estrutural • CMM - Associação Portuguesa de Construção Metálica e Mista • ASCP - Associação Portuguesa para a Segurança e Conservação de Pontes • APPC - Associação Portuguesa de Projectistas e Consultores 	 <p>estudos e projectos</p>			
 <p>PORTUGUESE ASSOCIATION OF ENGINEERING AND MANAGEMENT CONSULTANTS</p> <p>Last update: 22-12-2009</p>	<p>General Description</p> <p>A2P Consult, Estudos e Projectos, Lda started its activity in 1990. The partners are Julio Appleton and João Appleton, who have now 38 years of professional experience. Júlio Appleton has a PhD in Structure Engineering and is the Full Professor of Concrete Structures at IST, Instituto Superior Técnico, in Lisbon. João Appleton is a Senior Researcher from LNEC, the portuguese national laboratory for civil engineering, in Lisbon where he was Head of the Construction Process Division of the Building Department, until January 1997. From then to December 2007 he was a Counsellor at Conselho Superior de Obras Publicas e Transportes, the main portuguese engineering public advisory entity. In 2008 new partners joined the company: Vasco Appleton, António Costa, Pedro Ribeiro, José Delgado and Nuno Travassos.</p> <p>A2P's facilities are located in one of Lisbon's main business areas, and its core activity is structure and foundation design of new or existing buildings, bridges and other structures. The company is experienced in the application of several structural materials: prestressed concrete, reinforced concrete, steel, masonry, structural timber, carbon fiber, glass fiber. A2P performs structural design using national and international codes; it's staff is involved in conceiving some of those codes. A2P is also involved in I&D national and international programmes. A2P has experience in consulting and expertise, namely in rehabilitation of damaged buildings and structures, design checking, structure assessment, design coordination and surveying and inspection of damaged buildings.</p> <p>Main Expertise</p> <ul style="list-style-type: none"> • Design of structures • Rehabilitation design <p>Services</p> <ul style="list-style-type: none"> • Design of structures and foundations of <ul style="list-style-type: none"> – buildings – bridges – special structures • Rehabilitation design of: <ul style="list-style-type: none"> – current buildings – monumento – concrete, masonry and steel bridges – special structures (docks, silos, jetties) • Designs checking • Expertises <p>Significant Last Works</p> <table border="0"> <tr> <td> <ul style="list-style-type: none"> • Buildings <ul style="list-style-type: none"> – S. Gabriel e S. Rafael Towers, Lisbon – Fernão de Magalhães Tower, Lisbon – School of Engineering II, Minho University • Bridges <ul style="list-style-type: none"> – Viaducts V1 and V2 of the Yellow Line of the Lisbon Underground – Bridge over the River Sado e Access Viaduct on the A2 – Viaduct V1 over the River Antuã – Viaduct over the Ribeira de Temilobos on the IP3 – Viaduct over the Ribeira de Muge on the A13 – Viaduct V1 over the A1 in Carregado </td> <td> <ul style="list-style-type: none"> • Special Structures <ul style="list-style-type: none"> – Lisbon's Ismaeli Center – Associação Industrial do Minho, Viana do Castelo – Underground Park, Praça do Município, Lisboa • Rehabilitation of Buildings <ul style="list-style-type: none"> – Headquarters of BPA, Lisboa – Casa Estúdio Carlos Relvas, Golegã • Rehabilitation of Bridges <ul style="list-style-type: none"> – Arrábida's Bridge over the River Douro, Oporto – Viaduct Duarte Pacheco, Lisbon – Tavira Bridge over the River Gilão • Rehabilitation of Special Structures <ul style="list-style-type: none"> – Infrastructures and Buildings of the Lisnave Dockyard, Setúbal – Silopor and Trafaria jetties </td> <td> <ul style="list-style-type: none"> • Expertises <ul style="list-style-type: none"> – Buildings near the Underground Station of Telheiras, Ameixoeira, Alvalade and Av. de Roma, Lisbon – Marechal Carmona Bridge and Access Viaduct, V.F. Xira • Designs Checking <ul style="list-style-type: none"> – Vasco da Gama Bridge and Sacavém Viaduct, Lisbon – Infante D. Henrique Bridge, Oporto – Viaducts of the Scuts of Algarve, Norte Litoral, Grande Porto and Grande Lisboa </td> </tr> </table> <p>International Experience</p> <ul style="list-style-type: none"> • Consultancy for the Rehabilitation of the Mosque Hassan II in Casablanca • Project Spider 		<ul style="list-style-type: none"> • Buildings <ul style="list-style-type: none"> – S. Gabriel e S. 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