

Undertaking References Examples

| <u>Year</u> | <u>Firm</u> | <u>Topic</u> |
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| 1997 | Nuh Concrete Co. Pendik, İstanbul 216-564 00 00 | Sand Bucket Automation. PLC Automation panel project and produce. |
| 1997 | Eta Cable Co. Gebze, Kocaeli 262-744 32 68 | Fiber Optic cable line automation. complete fiber cable line is projected with PLC. All software, engineering mounting and commissioning. Intensive, AC and DC Motor Speed control applications. |
| 1997 1998 | Teknik İş Machine Ltd. Co. 262-646 18 83 | Various sizes hydraulic work lift electric Control panel. |
| 1998 | Arbiogaz Co. Levent, İstanbul 212-282 80 85 | DOSB (Denizli Organize Sanayi Bölgesi) Evsel Domestic and biological water treatment Automation. Complete, SLC500 PLC based Control panel and SCADA control system to be projected with commissioning. All engineering, software, control applications consisting of the turnkey installation and commissioning services |
| 1998 | Enyap Pipe Co. Tuzla Org. Ind. Zone 216-394 17 15 | CTP Pipe Production Machine Automation. Micro PLC and operator panel automation and DC motor speed control application. |
| 1998 | Arbiogaz Co. Levent, İstanbul | Denizli – Oğuzhan Textile Flue Gas Treatment plant automation. S7-300 PLC based automation system. It is a turnkey control application consisting of all engineering, software, mounting and commissioning service. |
| 2000 | Arbiogaz Co. Levent - İSTANBUL 212-2828085 | Koc Universty, domestic, chemical and biological water treatment plant automation. S7-300 PLC automation application. |
| 1999 | Yazıcı Iron Steel İskenderun – HATAY 326-656 23 00 | İskenderun Yazıcı Iron and Steel Co. two units arc furnace propane burner automation. PLC automation application. |

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| 1999 | Enyap Pipe Co. Tuzla - İSTANBUL 216-394 17 15 | CTP Pipe Machine Automation. PLC and DC motor speed control application. |
| 1999 | Teknik İş -Teverpan Gebze – Çerkezköy 262-646 18 83 | hardboard factory sanding line automation. PLC automation application. |
| 1999 2000 | Taha - Avangan İSTANBUL-TAHRAN 216-455 56 71 | İran AVANGAN Steel complex, bracket, rolling mill MV, LV panel, PLC control system project, mounting software and Engineering and project service. |
| 2000 | Koca Concrete Co. Gebze - KOCAELİ 262-751 16 52 | Cement Mill Plant automation. Complete engineering and project solution. Power distribution, motor Control panel and PLC panel project, software mounting and Commissioning. |
| 2000 | Enyap Pipe Co. Tuzla - İSTANBUL 216-394 17 15 | CTP Pipe Test Machine automation. PLC software, complete project. |
| 2000 | Teknik İş Gebze – KOCELİ 262-646 18 83 | Various sizes hydraulic work lift. |
| 2000 | Teknik İş - Honda Gebze - KOCELİ 262-646 18 83 | Plastic cutting automation. PLC software. |
| 2001 | Keramik Machine Gebze - KOCAELİ 262-658 95 23 | Çanakkale Seramik 5.6.7. Factory AC speed control complete shrink machine automation. PLC software. |
| 2001 | Keramik Machine Gebze - KOCAELİ 262-658 95 23 | Kaltun Homogenization Mining Facility automation. PLC software. |
| 2001 | Keramik Machine Gebze - KOCAELİ 262-658 95 23 | Doğanay Brick Packaging Automation. PLC software. |
| 2001 | MASS Treatment Gebze - KOCAELİ 262-751 22 10 | Waste water automation application. Complete project. S7-300 PLC software, electric panel etc. Package water treatment units PLC-LOGO software project revision. |

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| 2001 | Teknik İş Gebze - KOCELİ 262-646 18 83 | Yörsan AC speed control Stretching Machine automation. Micro PLC software. |
| 2001 | Teknik İş Gebze - KOCELİ 262-646 18 83 | Kastamonu Entegre AC speed control Stretching machine automation. PLC software. |
| 2002 | Keramik Machine Gebze - KOCAELİ 262-658 95 23 | Kalebodur1-2 shrink machine automation. PLC software. |
| 2002 | Keramik Machine Gebze - KOCAELİ 262-658 95 23 | Doğanay AC speed control complete shrink machine automation. PLC software. |
| 2002 | Teknik İş Gebze – KOCELİ 262-646 18 83 | Yörsan applied proportional valve 2 load lifts automation. PLC software. |
| 2002 | Kancıoğlu Automotive Demirkapı - İSTANBUL 212-552 85 30 | Press machine automation. PLC software. |
| 2002 | Enyap Boru A.Ş Tuzla - İSTANBUL 216-394 17 15 | 6 no AC speed control CTP pipe winding machine automation. PLC software. |
| 2003 | Alcomet Plc. Shoumen - Bulgaria. 00-359-546 66 92 | aluminum cold rolling mill plant PLC automation, engineering and project. |
| 2003 | Dinamik Machine Gebze – KOCAELİ 262-646 81 80 | Sekuro Plastic – Nylon film crop machine automation. PLC software, speed control project. |
| 2003 | Dinamik Machine Gebze – KOCAELİ 262-646 81 80 | Atermit – Glass packaging machine automation. PLC software, panel, project. |

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| 2004 | Kastamonu Entegre Co. Gebze - KOCAELİ 262-754 84 25 | MEP plant paper rolling machine automation. PLC software, engineering and project. |
| 2004 | Yongapan Tree Ind. Co. Gebze – KOCAELİ 262-724 88 83 | MDF sanding line automation PLC software, speed control, engineering and project. |
| 2004 | İmparsan - İnko Co. Gebze – KOCAELİ 262-643 26 94 | PP Textile cutting machine with LASER, CNC – PLC software, servo motor speed and position control, complete project engineering. |
| 2004 | İmparsan - İnko Co. Gebze – KOCAELİ 262-643 26 94 | PP Textile Pasting machine automation PLC software, complete project engineering |
| 2004 | Toya Machine Kartal – İSTANBUL 216-374 87 85 | Cagla Food, chocolate forming machine automation, PLC software, speed control, project engineering. |
| 2004 | Mekatron Machine Darıca – KOCAELİ 262-653 10 25 | Hyundai Assan, Starex chassis Differential line automation, PLC software, speed control project engineering. |
| 2005 | Dinamik Machine Gebze – KOCAELİ 262-646 81 80 | Trakya Glass, Glass Rolling Machine automation, PLC software. |
| 2005 | Atermit Ind. Co. Gebze – KOCAELİ 262-646 29 03 | Volumetric, Mixer Automation, PLC software, speed control, project engineering. |
| 2005 | Atermit Ind. Co. Gebze – KOCAELİ 262-646 29 03 | Granular Raw Materials Transfer System, pressure silo automation, PLC software, project engineering. |
| 2005 | İmparsan - İnko Co. Gebze – KOCAELİ 262-646 29 03 | Short Cutting Machine automation, PLC software project engineering. |
| 2005 | İmparsan Machine Gebze – KOCAELİ 262-646 29 03 | Bread Packaging Machine Automation, PLC software project engineering. |
| 2005 | İmparsan - İnko Co. Gebze – KOCAELİ 262-643 26 94 | Form Liner Nylon Film Pasting Machine Automation, PLC software, complete project engineering. |

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| 2005 | Mik Machine Gebze – KOCAELİ 262-644 74 12 | Coal Packaging Machine Automation, PLC software complete project engineering. |
| 2005 | Gürçelik Co. - İnkö Co. Gebze – KOCAELİ 262-644 12 15 | PP Textile, Column cutting machine automation PLC software, servo position control complete project engineering. |
| 2006 | Dinamik Machine Gebze – KOCAELİ 262-646 81 80 | Trakya Cam, glass rolling machine automation, PLC software. |
| 2006 | Kastamonu Entegre Co. Gebze - KOCAELİ 262-754 84 25 | AC speed control stretching machine automation S7-300 mini PLC software, engineering and project. |
| 2006 | Dündar Machine Gebze – KOCAELİ 262 - 641 10 14 | Sekuro Plastic - Nylon Film cropping machine automation. PLC software, speed control project. |
| 2006 | Enyap Pipe Co. Tuzla - İSTANBUL 216-394 17 15 | CTP pipe winding machine automation. 37 kW AC speed control application. |
| 2006 | Ferrorefrakter Co. Gebze - KOCAELİ 262-759 17 29 | Drying furnace automation. Profile panel application |
| 2006 | Farplas Co. Gebze - KOCAELİ 262-751 22 30 | Cycle guard automation. PLC software. |
| 2006 | İnkö Co. Gebze - KOCAELİ 262-751 30 69 | Big Bag Test machine automation PLC, archive, receipt option Scada software. |
| 2006 | Cihan Machine Gebze - KOCAELİ 262-643 64 09 | Iron Connecting Machine Automation PLC software, engineering and project |
| 2007 | Dinamik Machine Gebze – KOCAELİ 262-646 81 80 | Trakya Glass, Glass Branding Machine automation, PLC software. |

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| 2007 | Dinamik Machine Gebze – KOCAELİ 262-646 81 80 | Polymer Rubber - 1, Batch-Off Machine Automation, PLC software. |
| 2007 | Dinamik Machine Gebze – KOCAELİ 262-646 81 80 | Rekor Rubber, Batch-Off Machine automation, PLC software. |
| 2007 | MNS Machine Kozyatağı – İSTANBUL 216-416 46 09 | Dubai Steel, 60 Ton Rolling Mill Furnace, automation PLC software, engineering and project |
| 2007 | Dinamik Machine Gebze – KOCAELİ 262-646 81 80 | Arsan Rubber, Batch-Off Machine automation, PLC software. |
| 2007 | İmparsan Machine Gebze – KOCAELİ 262-643 26 94 | Schmolz Wagon Drive automation, PLC software, project and engineering. |
| 2007 | MNS Machine Kozyatağı – İSTANBUL 216-416 46 09 | Kuveyt Steel Connecting Iron -1. Machine, Automation PLC software, engineering and project. |
| 2007 | İmparsan Machine Gebze –KOCAELİ 262-643 26 94 | Schmolz Sandblasting Automation, PLC software, project engineering. |
| 2007 | MNS Machine Kozyatağı – İSTANBUL 216-416 46 09 | Kuveyt Steel, 70 Ton Rolling Mill Furnace, automation PLC software, engineering and project. |
| 2007 | Trakya Glass Co. Gebze - KOCAELİ 224-280 12 05 | Glass Press Machine, automation revision. PLC software, project engineer. |
| 2007 | Dinamik Machine Gebze – KOCAELİ 262-646 81 80 | Polymer Rubber - 2, Batch-Off machine automation, PLC software. |
| 2007 | Dinamik Machine Gebze – KOCAELİ 262-646 81 80 | Polymer Rubber - 3, Batch-Off machine automation, PLC software. |
| 2007 | Kastamonu Entegre Co. G----- BALIKESİR | AC Speed Control. Tape Rotation Automation S7-300 Mini PLC software, engineering and project. |

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| 2007 Dinamik Machine Gebze – KOCAELİ 262-646 81 80 | Polymer Rubber - 1, Batch-Off machine automation, PLC software. |
| 2007 Dinamik Machine Gebze – KOCAELİ 262-646 81 80 | Rekor Rubber, Batch-Off machine automation, PLC software. |
| 2007 MNS Machine Kozyatağı – İSTANBUL 216-416 46 09 | Dubai Steel, 60 Ton Rolling Mill Furnace, automation PLC software, engineering and project |
| 2007 Dinamik Machine Gebze – KOCAELİ 262-646 81 80 | Arsan Rubber, Batch-Off machine automation, PLC software. |
| 2007 İmparsan Machine Gebze – KOCAELİ 262-643 26 94 | Schmolz Wagon drive automation, PLC software, project engineering. |
| 2007 MNS Machine Kozyatağı – İSTANBUL 216-416 46 09 | Kuveyt Steel, iron connecting-1. Machine, automation PLC software engineering and project |
| 2007 MNS Machine Kozyatağı – İSTANBUL 216-416 46 09 | Kuveyt Steel, iron connecting-2. Machine, automation PLC software engineering and project |
| 2007 İmparsan Machine Gebze –KOCAELİ 262-643 26 94 | Schmolz sandblasting, PLC software, project engineering. |
| 2007 MNS Machine Kozyatağı – İSTANBUL 216-416 46 09 | Kuveyt Steel, 70 Ton Rolling Mill Furnace, automation PLC software, engineering and project. |
| 2007 Trakya Glass Co. Gebze - KOCAELİ 224-280 12 05 | Glass Press Machine, automation revision. PLC software, project engineer. |
| 2007 Dinamik Machine Gebze – KOCAELİ 262-646 81 80 | Polymer Rubber - 2, Batch-Off machine automation, PLC software. |
| 2007 Dinamik Machine Gebze – KOCAELİ 262-646 81 80 | Polymer Rubber - 3, Batch-Off machine automation, PLC software. |

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| 2013- Dinamik Machine 2014 Gebze – KOCAELİ 0262-646 81 80 | Batch Off Machine Automation S7-200 PLC software. Drivers, project and engineering services. Rekor rubber 2 and 3 number line. |
| 2013- Dinamik Machine 2014 Gebze – KOCAELİ 0262-646 81 80 | Batch Off Machine Automation S7-200 PLC software. Drivers, project and engineering services. Polymer rubber -EATON 5 number line. Automatic sizing-hoarding machine. |
| 2014- Sonar Treatment 2015 Gebze – KOCAELİ 0262-646 47 57 | Aksaray – IHLARA Valley waste water treatment plant, Ordu HATİPLİ drinkable water treatment plant automation. S7-200 PLC, SCADA software, drivers, project and engineering services. |
| 2014 Dinamik Machine Gebze-KOCAELİ | ARÇELİK A.Ş. Tuzla – Rubber Batch off machine automation. |
| 2014 SEAD Steel Co. 4.Levent-İSTANBUL 0212-2784749 | Rolling mill packaging – Automatic counting rods machine automation. TÜBİTAK project. |
| 2010 Tabii Soğuk Hava Depoculuk Ltd. | Complete cold depot investment for blurred product storage. Founding partner and investment management. |