# Engineering & Project Management

Skytanking

| ENGINEERING AND/OR PROJECT MANAGEMENT | |
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| **HYDRANT REFUELLING SYSTEM, BRUSSELS AIRPORT, BELGIUM** | |
| 1995 | Installation of a fiber optic communication network for process control purposes between main computer & remote I/O stations |
| 1997 | Installation of electronic driven motor starters on 8 hydrant pumps |
| 2000-2001 | Installation of a 250 kW frequency controlled pump-motor unit |
| 2003-2007 | Renewal of the automation system, process control and emergency shut-down systems |
| 2008 | Feasibility study and design concept for the extension of the hydrant system to the cargo area |
| 2008-2009 | Automation of the foam injection of the firefighting system |
| 2009-2010 | Modification of the hydrant system due to construction underground train tunnel through the airport |
| 2011-2012 | Detailed design of several safety upgrades |
| 2012 | Modification hydrant system Concourse B |
| 2012 | Feasibility study relocation valve chamber |
| 2012 | Review feasibility study for extension of hydrant to cargo area |
| 2012-2013 | Extension hydrant system Concourse A |
| 2014-2015 | Refurbishing of imploded storage tank of 5.000 m³ |
| 2016 | Replacement fire engines and obsolete parts electrical system |
| 2017 | Installation of flame arresters and vacuum detection on storage tanks |
| 2017 | Hydrant modification for A380 |
| 2019–2022 | Design, construction follow-up and commissioning of hydrant modification works - phasing defined by airport planning |
| **LIEGE AIRPORT, BELGIUM** | |
| 1995-1997 | Design and construction of a new fuel facility |
| 2002-2007 | Design and construction of extra tanks (3 x 1.760 m³ tanks) |
| 2004-2011 | Design & construction of a fuel hydrant system (different phases) |
| 2011-2014 | Study for upgrade of flow rate capacity of the supply pipeline |
| 2014 | Design for additional storage capacity |
| 2014 | Hydraulic study and concept layout new jet fuel train unloading connected to existing supply pipeline of airport |
| 2015 | Re-routing supply pipeline airport due to construction train station |
| 2016 | Final study for refurbishment existing airport supply pipeline |
| 2017 | Refurbishing supply pipeline – design, incl. works for elimination of weak spots (e.g. via HDD) |
| 2017-2020 | Design and construction follow-up of fuel hydrant extension(s) |

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| **LIEGE AIRPORT, BELGIUM** | |
| 2019 | Feasibility Study – Strengthening the fuel supply chain and on-airport fuel storage capacity based on airport master planning |
| 2020-2021 | Assistance during tendering, construction supervision and commissioning for additional storage capacity in the present tank farm |
| 2020-Present | Contractor selection and follow-up works for refurbishment existing airport supply pipeline |
| 2020-Present | Study to define optimal routing on-airport fuel supply pipeline due to relocation depressurization station (imposed by runway upgrade works), incl. assistance with modified permitting for pipeline with authorities |
| **FINDEL AIRPORT, LUXEMBOURG** | |
| 1997 | Installation of an automated tank gauging & SCADA system |
| 1998 | Installation of a refueller test stand |
| 1999-2000 | Review and renewal of the electrical & automation system |
| 2001 | Preliminary design concept - new fuel facility |
| 2002 | Construction of a self-service installation for AVGAS |
| 2004-2008 | Retrofit of the existing fuel facility based on investment plan (risk analysis) |
| 2008-2016 | Retrofit of the existing fuel facility based on operational risk & safety assessment |
| 2011-2012 | Basic design concept - new fuel facility |
| 2014-2018 | Retrofit of the existing fuel facility based on new environmental legislation |
| 2018-2019(stage 1)<br>2020-2021(stage 2) | Stage 1: Design installation to allow for truck supply, incl. support for obtention permits with authorities<br>Stage 2: Construction and commissioning installation to allow for truck supply |
| **OLYMPIC FUEL COMPANY, ATHENS AIRPORT, GREECE** | |
| 1996 | Design concept review - hydrant system lay-out and pipe sizing |
| 1998 | Design concept - fuel facility lay-out |
| 1998-1999 | Design concept - automation system |
| **QUITO INTERNATIONAL AIRPORT, QUITO, ECUADOR** | |
| 2008 | Feasibility study - design concept - hydrant system and fuel facility |
| **NAPELS AIRPORT, NAPELS, ITALY** | |
| 2005 | Design concept review - fuel facility |
| **LEIPZIG AIRPORT, LEIPZIG, GERMANY** | |
| 2006-2007 | Design concept - fuel facility |

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| **NAPELS AIRPORT, NAPELS, ITALY** | |
| 2005 | Design concept review - fuel facility |
| **LEIPZIG AIRPORT, LEIPZIG, GERMANY** | |
| 2006-2007 | Design concept - fuel facility |
| **BANGALORE INTERNATIONAL AIRPORT, BANGALORE, INDIA** | |
| 2005-2006 | Design concept and construction supervision - fuel storage and hydrant feeder lines |
| 2005-2006 | Design concept review - hydrant system |
| 2007 | Design concept - hydrant extension |
| 2011-2012 | Design concept review and construction supervision - west side I and II extension hydrant |
| 2012 | Design concept review - east side I extension hydrant |
| 2017-2019 | Design and construction follow-up - west side III extension hydrant |
| 2017 | Design concept east side II extension hydrant |
| 2017 | Design concept T2 terminal hydrant extension |
| 2018-2020 | Design, construction supervision, commissioning and start-up support for hydrant extension in 3 phases (T2, phase 1A – 1C) |
| **LARNACA AIRPORT, LARNACA, CYPRUS** | |
| 2006-2007 | Feasibility study - Design concept - FEED Design hydrant system |
| **TIRANA AIRPORT, TIRANA, ALBANIA** | |
| 2007 | Design concept – Fuel facility |
| **TAN SON NHAT INTERNATIONAL AIRPORT, HCMC, VIETNAM** | |
| 2009-2011 | Feasibility study - Design concept – FEED Design – Fuel facility |
| 2014 | Refurbishing and integration of existing hydrant system |
| 2015 | Elaboration of maintenance records for new fuel facility and integrated hydrant system + training of staff |
| **KING SHAKA INTERNATIONAL AIRPORT, DURBAN, SOUTH AFRICA** | |
| 2010-2012 | Review condition of new fuel facility and hydrant system |
| 2012-2014 | Remediation works fuel facility and hydrant system |
| **MAKASSAR INTERNATIONAL AIRPORT, MAKASSAR, INDONESIA** | |
| 2010-2012 | Design review, automation philosophy, commissioning assistance - fuel facility |
| 2012 | Scheme Design (and sizing) – new hydrant system |

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| **WARSAW AIRPORT, WARSAW, POLAND** | |
| 2012 | Design concept – fuel facility & upgrade hydrant (condition assessment) |
| **NICE CÔTE D'AZUR AIRPORT, NICE, FRANCE** | |
| 2012-2015 | Design new tank farm and ITP operation center at Nice Côte d'Azur Airport (3 x 1.800 m³ tanks) |
| **LYON SAINT-EXUPÉRY AIRPORT, LYON, FRANCE** | |
| 2013 | Design concept new fuel facility (3 x 4.000 m³ tanks) |
| 2014 | Design concept new fuel facility (3 x 2.500 m³ tanks) |
| **HONG KONG INTERNATIONAL AIRPORT, HONG KONG** | |
| 2013 | Concept design new into-plane base |
| **JULIUS NYERERE INTERNATIONAL AIRPORT, DAR-ES-SALAAM, AFRICA** | |
| 2014 | Concept design new fuel facility, hydrant and into-plane base (3 x 1.970 m³ tanks) |
| **CHINCHERO CUSCO INTERNATIONAL AIRPORT, CUSCO, PERU** | |
| 2014 | Concept design new fuel facility and hydrant (3 x 2.400 m³ tanks) |
| **BERGAMO AIRPORT, BERGAMO, ITALY** | |
| 2014 | Design concept specifications modular fuel facility (3 x 80m³ tanks) |
| **LILLE AIRPORT, LESQUIN, FRANCE** | |
| 2014 | Assessment condition existing fuel facility – Concept design unloading infrastructure |
| **BALE-MULHOUSE AIRPORT, SAINT-LOUIS, FRANCE** | |
| 2015 | Assessment condition existing fuel facility – Concept design extension storage capacity and new firefighting system |
| **DUBLIN AIRPORT, DUBLIN, IRELAND** | |
| 2015 | Concept design new fuel facility – Hydrant integration and extension - Remote into-plane base fed via feeder lines of hydrant |
| **DARWIN INTERNATIONAL AIRPORT, DARWIN, AUSTRALIA** | |
| 2015 | Concept design new fuel facility – Hydrant integration (3 x 670 m³ tanks) |
| **MALÉ INTERNATIONAL AIRPORT, MALDIVES** | |
| 2016 | Concept design review new jetty, fuel facility and hydrant system |
| **O.R. TAMBO INTERNATIONAL AIRPORT, JOHANNESBURG, SOUTH-AFRICA** | |
| 2016 | Detailed design review upgrade fuel facility |
| **MALTA AIRPORT, MALTA** | |
| 2016 | Concept design new into-plane base |

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| **EZEIZA INT'L AIRPORT, ARGENTINA** | |
| 2016 | FEED new tank farm – Operation center - Hydrant integration and expansion (5 x 5000 m³ tanks) |
| 2018 | Sizing and design hydrant extension |
| **AEROPARQUE J.N. AIRPORT, ARGENTINA** | |
| 2018-2019 | Feasibility study – Methodology and required development of fuel supply chain, on-airport fuel storage and distribution based on airport master planning |
| **VENICE AIRPORT, ITALY** | |
| 2017 | Concept design new fuel facility with modular expansion capabilities (5 x 1800 m³ tanks) |
| **DUSSELDORF AIRPORT, GERMANY** | |
| 2018 | Feasibility study – Define fuel demand and development of fuel supply methodology, fuel storage capacity and on-airport distribution based on airport master planning |
| **NEW ULAANBAATAR INT'L AIRPORT, MONGOLIA** | |
| 2017 | Assessment design of hydrant under construction and recommendations for cost effective solutions to align hydrant with international aviation codes and standards |
| **PALERMO AIRPORT, SICILY** | |
| 2018 | Refurbishment works existing storage tank, scope and advisory support during refurbishment works |
| **PALERMO AIRPORT, SICILY** | |
| 2019 | Asset condition assessment existing storage tank, scoping of assessment and support with interpretation of assessment results |
| **SYDNEY INT'L AIRPORT, AUSTRALIA** | |
| 2020 | O&M Support – Budgeting operating costs, fixing staffing requirements, contractual negotiation support, set-up of complete maintenance management system and records (JIG2 compliant), set-up of HSSE management system and records (JIG compliant), set-up of operation and training manuals, managing essential information transmissions with previous operator, insurance of timely obtention of licenses and third party contractor agreements, liaison contact for airport as owner of the facilities,... |