

ENGINEERING & PROJECT MANAGEMENT

HYDRANT REFUELLING SYSTEM, BRUSSELS AIRPORT, BELGIUM

1995	Installation of a fibre 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
2010-2012	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 m ³
2016	Replacement fire engines and obsolete parts electrical system
2017	Installation of flame arresters and vacuum detection on storage tanks + Hydrant modification for A380

LIÈGE AIRPORT, BELGIUM

1995-1997	Design and construction of a new fuel facility
2002-2007	Design and construction of extra tanks (3 x 1.760 m ³ 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-today	Refurbishing receiving pipeline - elimination of the weld + end and the vulnerable zones
2017-today	Design and construction of fuel hydrant extension

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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-today	Retrofit of the existing fuel facility based on new environmental legislation

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
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NAPELS AIRPORT, NAPELS, ITALY

2005	Design concept review - fuel facility
2016	Final study for refurbishment existing airport supply pipeline

LEIPZIG AIRPORT, LEIPZIG, GERMANY

2006-2007	Design concept - fuel facility
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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-today	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

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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 – 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 - hydrant system
WARSAW AIRPORT, WARSAW, POLAND	
2012	Design concept – fuel facility
NICE CÔTE D’AZUR AIRPORT, NICE, FRANCE	
2012-2015	Design new fuel facility at Nice Côte d’Azur Airport (3 x 1.800 m ³ tanks)
LYON SAINT-EXUPÉRY AIRPORT, LYON, FRANCE	
2013	Design concept new fuel facility (3 x 4.000 m ³ tanks)
2014	Design concept new fuel facility (3 x 2.500 m ³ 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 m ³ tanks)
CHINCHERO CUSCO INTERNATIONAL AIRPORT, CUSCO, PERU	
2014	Concept design new fuel facility and hydrant (3 x 2.400 m ³ tanks)
BERGAMO AIRPORT, BERGAMO, ITALY	
2014	Design concept specifications modular fuel facility (3 x 80m ³ tanks)

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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 m ³ 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
EZEIZA AIRPORT, ARGENTINA	
2016	FEED new fuel facility – operation center - hydrant integration and expansion (5 x 5000 m ³ tanks)
VENICE AIRPORT, ITALY	
2017	Concept design new fuel facility with modular expansion capabilities (5 x 1800 m ³ tanks)