

Welcome



James Shearman, Head of Sustainability



Rob O'Dare, Airfield Technical Manager

Our airport



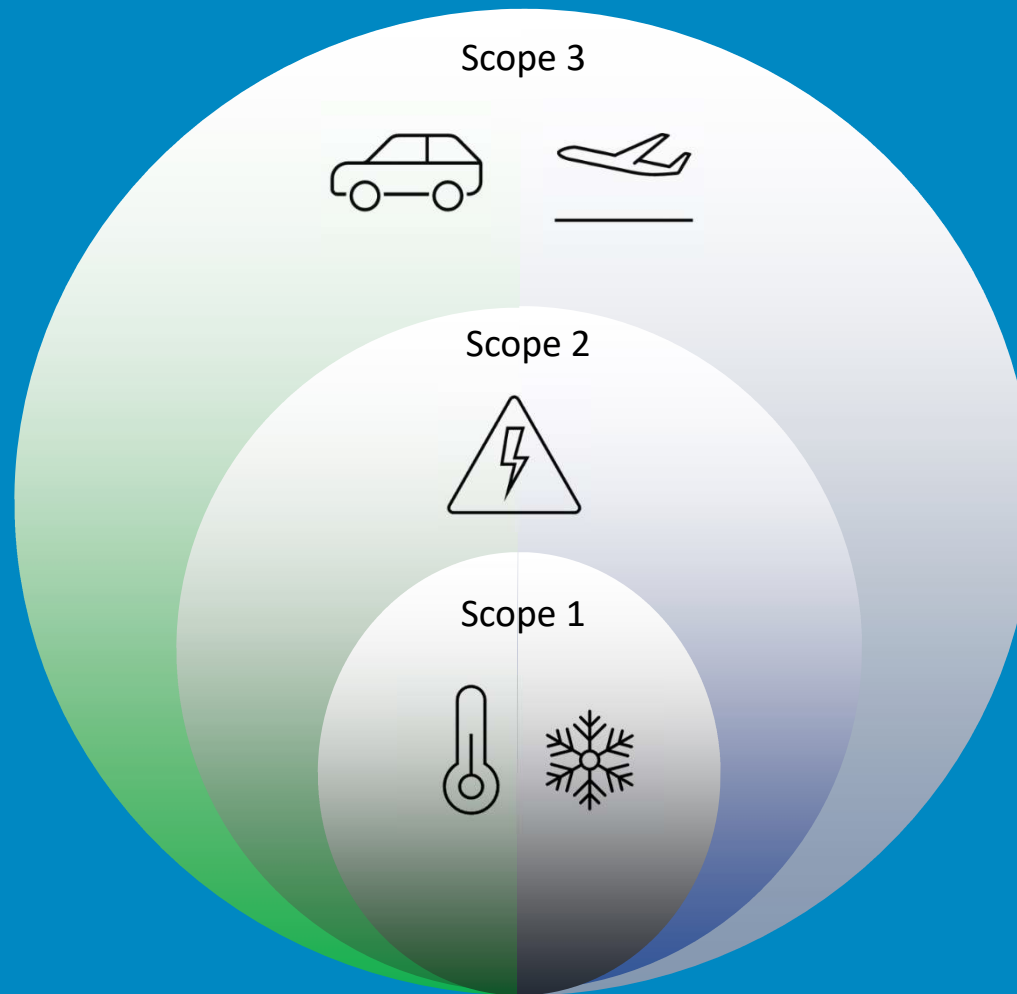
Gateway to the region



The challenge

Delivering a sustainable and greener future

Our emissions



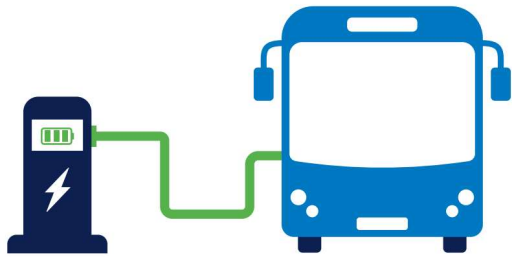


Our journey so far



Our most amazing journey yet
Net zero airport operations
by 2030

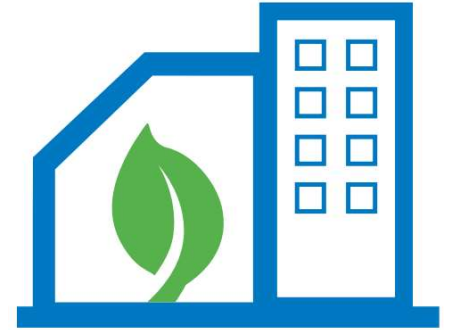
Net zero operations – how we will do it



Vehicles



Airfield



Buildings

Bristol Airport / easyJet Sustainability Partnership

easyJet

Bristol Airport



Bristol Airport / easyJet Sustainability Partnership

Started July 2021 for an initial period of six months

Ground

- Reduction of ground based emission
- Reduced use of APU & GPU
- Single engine taxi

Air

- CDAs
- Routing

Operation

- Cabin waste recycling
- Engineering waste management



Low Emission Turnaround Trial



Low emission turnaround trial

OBJECTIVES



Achieve a world first low / zero emission aircraft turnaround demonstration



To demonstrate how achievable a zero / low emission aircraft ground turnaround is and identify current possible blocks / equipment shortfalls



To encourage OEM equipment suppliers and other industry partners to develop affordable and sustainable equipment and methods to achieve the emission free target



To show how industry business partners can work together to minimise emissions from ground operations and aircraft turnarounds



To reduce as far as practicable the emissions from aircraft turnarounds on the trial stands

Low Emission Turnaround Trial



Low Emission Turnaround Trial

GPU	42%
Tug	11%
Belt Loaders	8%
Refueller	8%
HiLo	8%
Ambulift	6%
Baggage tractor	4%
Water Bowser	4%
Foul Cart	3%
Catering	3%
Steps	2%



Approx. split, actual split depends on type and number of individual items used per turn. Graphic and data provided by ITW GSE.

Low emission turnaround trial



Low emission turnaround trial



Low emission turnaround trial

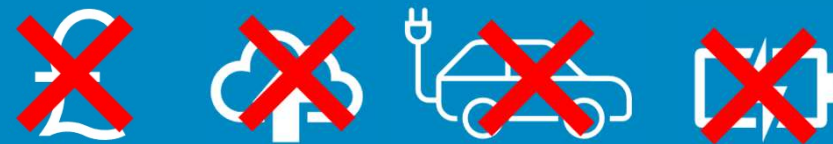
SUCCESSES

Emission savings
Hugely successful multi partner initiative
Strong interest from within industry
Cooperation from equipment suppliers



CHALLENGES

Cost of equipment / Lack of incentives
Hydrogen options limited
Lack of vehicle options / tech readiness
Charging infrastructure



DATA SETS

Data Analysis

- DHL Microsoft Forms Usage.
- Targa Telematics (Vehicle Telemetry).
- BRS Did-Fly Schedule .
- Power supply based on Scottish Power rego data. (CO2 0.058g per KWh provided)
- Period 13/09/21 to 14/11/21.

Assets

2 x Belt Loaders

1 x Towbarless Pushback Tug

2 x Passenger Steps

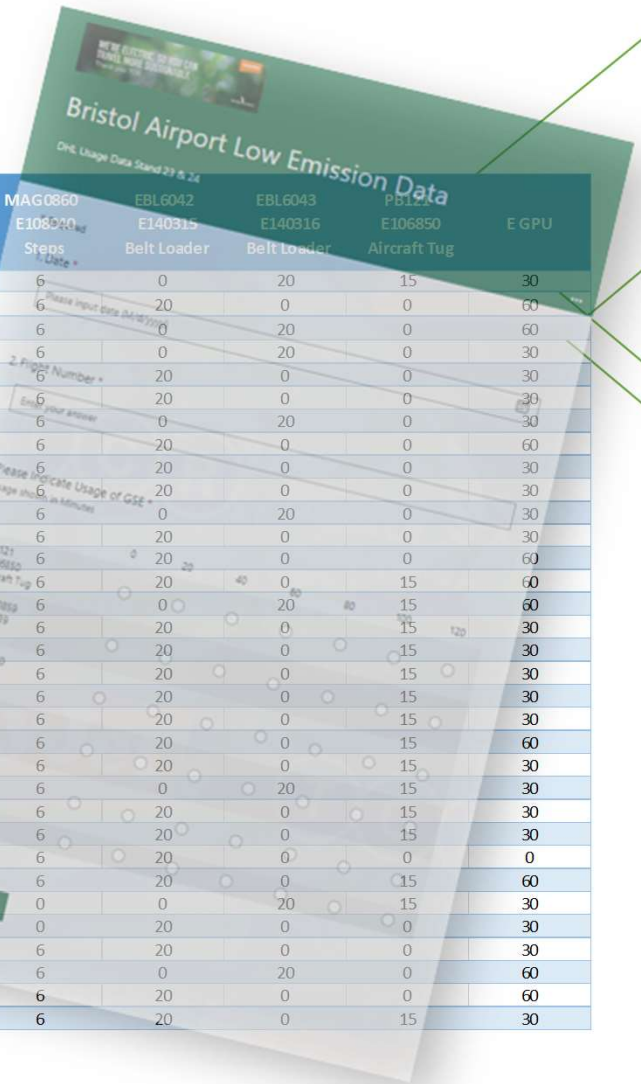
1 x 90Kva Ground Power Unit

1 x EBT Electric Baggage Cart

DATA INFORMATION

DHL Data Sets. Provided through Teams Forms

ID	Date	Enter Stand Number	Indicate Arrival or Departure only or Arrival and Departure	Arrival Only Flight Number	Departure Only Flight Number	Arrival Flight Number	Departure Flight Number	MAG0859 E108939 Steps	MAG0860 E108240 Steps	EBL6042 E140315 Belt Loader	EBL6043 E140316 Belt Loader	PB15 E106850 Aircraft Tug	E GPU
117	10/15/2021	Stand 24	Arrival and Departure			6236	6235	6	6	0	20	15	30
118	10/16/2021	Stand 23	Departure Only		6051			6	6	20	0	0	60
119	10/16/2021	Stand 24	Departure Only		6193			6	6	0	20	0	60
120	10/16/2021	Stand 23	Arrival and Departure			6052	6129	6	6	0	20	0	30
121	10/16/2021	Stand 23	Arrival and Departure			6008	6045	6	6	20	0	0	30
122	10/16/2021	Stand 23	Arrival Only	6066				6	6	20	0	0	30
123	10/16/2021	Stand 24	Arrival Only	6010				6	6	0	20	0	30
125	10/16/2021	Stand 23	Departure Only		6193			6	6	20	0	0	60
126	10/16/2021	Stand 23	Arrival and Departure			6052	6129	6	6	20	0	0	30
127	10/16/2021	Stand 23	Arrival and Departure			6008	6045	6	6	20	0	0	30
128	10/16/2021	Stand 23	Arrival Only	6066				6	6	0	20	0	30
129	10/16/2021	Stand 24	Arrival Only	6010				6	6	20	0	0	30
124	10/17/2021	Stand 23	Departure Only		6051			6	6	0	20	0	60
130	10/18/2021	Stand 24	Departure Only		6261			6	6	20	0	15	60
131	10/18/2021	Stand 23	Departure Only		6245			6	6	0	20	15	60
132	10/18/2021	Stand 23	Arrival and Departure			6110	6109	6	6	20	0	15	30
133	10/18/2021	Stand 23	Arrival and Departure			6222	403	6	6	20	0	15	30
134	10/18/2021	Stand 23	Arrival and Departure			6052	6017	6	6	20	0	15	30
135	10/19/2021	Stand 24	Arrival and Departure			6232	6253	6	6	20	0	15	30
136	10/19/2021	Stand 24	Arrival and Departure			6194	6009	6	6	20	0	15	30
137	10/20/2021	Stand 23	Departure Only		6039			6	6	20	0	15	60
138	10/20/2021	Stand 23	Arrival and Departure			6222	6257	6	6	20	0	15	30
139	10/20/2021	Stand 23	Arrival and Departure			6252	393	6	6	0	20	15	30
140	10/20/2021	Stand 24	Departure Only		6287			6	6	20	0	15	30
141	10/20/2021	Stand 24	Arrival and Departure			6088	6133	6	6	20	0	15	30
142	10/21/2021	Stand 23	Arrival Only	6096				6	6	20	0	0	0
143	10/22/2021	Stand 24	Departure Only		6095			6	6	20	0	15	60
144	10/22/2021	Stand 24	Arrival and Departure			6190	451	0	0	0	20	15	30
145	10/22/2021	Stand 24	Arrival and Departure			6072	447	6	0	20	0	0	30
146	10/22/2021	Stand 24	Arrival and Departure			6328	6157	6	6	20	0	0	30
147	10/23/2021	Stand 24	Departure Only		6263			6	6	0	20	0	60
148	10/23/2021	Stand 23	Departure Only		6053			6	6	20	0	0	60
149	10/23/2021	Stand 23	Arrival and Departure			6096	6089	6	6	20	0	15	30



DATA INFORMATION

TARGA Data Sets

Vehicle	Plate	Date (UTC+01:00)	Week No.	Type	Total Hours	Time (UTC+01:00)	Hour	mi	Drive (minutes)	Driver Hours	Average spd (mph)	Stopped with motor off (minutes)	Stopped with motor off (Hours)	Total stopped with engine On (Minutes)	Total stopped with engine On (Hours)	Max. speed (mph)	Lat begin	Lon begin	Lat end	Lon end	Charging Area	CO2	Fuel Usage
EBL6042	E140315	2021-09-13	38	PARK_ENGINE_ON	0.07	06:02:53	6	0.0				0		4	0.07	5	51.385361	2.721121	51.385361	2.721121	Charging Area	0.459543474	0.17412886
EBL6042	E140315	2021-09-13	38	DRIVING	0.00	06:06:39	6	0.0	0	0	0.0	0		0		5	51.385361	2.721121	51.385264	2.721178		0	0
EBL6042	E140315	2021-09-13	38	PARK_ENGINE_ON	0.47	06:06:49	6	0.0				0		0	0.47	2	51.385249	2.721176	51.385249	2.721176		3.248804321	1.21890202
EBL6042	E140315	2021-09-13	38	PARK_ENGINE_OFF	0.22	06:34:48	6	0.0				13	0.22	0		0	51.385249	2.721176	51.385249	2.721176			
EBL6042	E140315	2021-09-13	38	PARK_ENGINE_ON	0.07	06:48:11	6	0.0				0		4	0.07	0	51.385245	2.721134	51.385245	2.721134		0.459543474	0.17412886
EBL6042	E140315	2021-09-13	38	CHARGING	0.83	06:51:45	7	0.0				0		0		0	51.385483	2.721195	51.385483	2.721195	Charging Area	0.058	0.043532215
EBL6042	E140315	2021-09-13	38	CHARGING	0.02	07:42:09	7	0.0				0		1	0.02	0	51.385465	2.721220	51.385465	2.721220	Charging Area	0.8062	0.608394607
EBL6042	E140315	2021-09-13	38	CHARGING	11.58	07:42:52	19	0.0				0		0		17	51.385465	2.721220	51.385465	2.721220	Charging Area	0.608394607	0.23091001
EBL6042	E140315	2021-09-13	38	DRIVING	0.05	19:18:05	19	0.6				0		0		0	51.385722	2.710068	51.385722	2.710068		0.203131536	0.078970003
EBL6042	E140315	2021-09-13	38	PARK_ENGINE_OFF	0.48	19:21:08	19	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		1.378630423	0.62238550
EBL6042	E140315	2021-09-13	38	DRIVING	0.02	19:50:04	19	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		0.608394607	0.23091001
EBL6042	E140315	2021-09-13	38	PARK_ENGINE_ON	0.20	19:50:41	20	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		0.203131536	0.078970003
EBL6042	E140315	2021-09-14	38	DRIVING	0.05	05:19:45	5	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		1.378630423	0.62238550
EBL6042	E140315	2021-09-14	38	PARK_ENGINE_ON	0.20	05:22:43	5	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		0.608394607	0.23091001
EBL6042	E140315	2021-09-14	38	PARK_ENGINE_OFF	0.27	05:34:51	5	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		0.203131536	0.078970003
EBL6042	E140315	2021-09-14	38	PARK_ENGINE_ON	0.02	05:50:52	5	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		1.378630423	0.62238550
EBL6042	E140315	2021-09-14	38	PARK_ENGINE_OFF	0.05	05:51:35	5	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		0.608394607	0.23091001
EBL6042	E140315	2021-09-14	38	PARK_ENGINE_ON	0.02	05:54:49	5	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		0.203131536	0.078970003
EBL6042	E140315	2021-09-14	38	PARK_ENGINE_OFF	0.00	05:55:55	5	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		1.378630423	0.62238550
EBL6042	E140315	2021-09-14	38	PARK_ENGINE_ON	0.45	05:56:03	5	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		0.608394607	0.23091001
EBL6042	E140315	2021-09-14	38	DRIVING	0.03	06:23:25	6	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		0.203131536	0.078970003
EBL6042	E140315	2021-09-14	38	PARK_ENGINE_ON	0.03	06:25:16	6	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		1.378630423	0.62238550
EBL6042	E140315	2021-09-14	38	DRIVING	0.02	06:27:19	6	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		0.608394607	0.23091001
EBL6042	E140315	2021-09-14	38	PARK_ENGINE_OFF	0.08	06:28:25	6	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		0.203131536	0.078970003
EBL6042	E140315	2021-09-14	38	PARK_ENGINE_ON	0.07	06:33:02	6	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		1.378630423	0.62238550
EBL6042	E140315	2021-09-14	38	PARK_ENGINE_OFF	0.03	06:37:26	6	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		0.608394607	0.23091001
EBL6042	E140315	2021-09-14	38	PARK_ENGINE_ON	0.03	06:39:37	6	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		0.203131536	0.078970003
EBL6042	E140315	2021-09-14	38	PARK_ENGINE_OFF	0.22	06:41:18	6	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		1.378630423	0.62238550
EBL6042	E140315	2021-09-14	38	DRIVING	0.03	06:53:58	6	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		0.608394607	0.23091001
EBL6042	E140315	2021-09-14	38	PARK_ENGINE_OFF	2.90	06:55:53	9	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		0.203131536	0.078970003
EBL6042	E140315	2021-09-14	38	PARK_ENGINE_ON	0.02	09:49:29	9	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		1.378630423	0.62238550
EBL6042	E140315	2021-09-14	38	PARK_ENGINE_OFF	0.30	09:50:02	10	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		0.608394607	0.23091001
EBL6042	E140315	2021-09-14	38	DRIVING	0.02	10:07:42	10	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		0.203131536	0.078970003
EBL6042	E140315	2021-09-14	38	PARK_ENGINE_OFF	0.80	10:08:43	10	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		1.378630423	0.62238550
EBL6042	E140315	2021-09-14	38	DRIVING	0.02	10:56:24	10	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		0.608394607	0.23091001
EBL6042	E140315	2021-09-15	38	PARK_ENGINE_ON	0.00	02:58:47	2	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		0.203131536	0.078970003
EBL6042	E140315	2021-09-15	38	PARK_ENGINE_OFF	2.97	02:59:03	5	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		1.378630423	0.62238550
EBL6042	E140315	2021-09-15	38	DRIVING	0.05	05:57:16	6	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		0.608394607	0.23091001
EBL6042	E140315	2021-09-15	38	PARK_ENGINE_OFF	5.55	06:00:25	11	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		0.203131536	0.078970003
EBL6042	E140315	2021-09-15	38	PARK_ENGINE_ON	0.00	11:33:07	11	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		1.378630423	0.62238550
EBL6042	E140315	2021-09-15	38	PARK_ENGINE_OFF	0.08	11:33:26	11	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		0.608394607	0.23091001
EBL6042	E140315	2021-09-15	38	PARK_ENGINE_ON	0.00	11:37:58	11	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		0.203131536	0.078970003
EBL6042	E140315	2021-09-15	38	PARK_ENGINE_OFF	0.33	11:38:24	11	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		1.378630423	0.62238550
EBL6042	E140315	2021-09-15	38	DRIVING	0.05	11:58:14	12	0.0	3	0.05	0.0	0		9		0	51.385400	2.710070	51.385400	2.710070		0.608394607	0.23091001
EBL6042	E140315	2021-09-15	38	PARK_ENGINE_ON	0.15	12:00:56	12	0.0				0		0		0	51.385400	2.710070	51.385400	2.710070		0.203131536	0.078970003

DATA INFORMATION

BRS Did-Fly Data Sets

Flight No	Flight No 2	IATA Code	Origins	Agent	Regn	AC TYPE	Date	Operated by Electric	Week No.	Sched Time (Loc)	Est Time(Loc)	Act Time(Loc)	ONB (loc)	Hour	STAND	Type	Arrive	Depart	Time On Ground	Steps Arrive	Steps Depart	Steps Total	Steps Running	Belt Loader	Belt Loader	Belt Loader	Pushbac k Arrive	Pushbac k Depart	Pushbac k Total	Pushbac k
EZY6196	6196	LPA	Gran Canaria	DHL	GUZMG	32Q	26/10/2021	1	44	01:30	01:36		01:31	1	23	Arrival														
EZY6263	6263	LCA	Larnaca	DHL	GUZMG	32Q	26/10/2021	1	44	07:00	07:04		07:14	7	23	Departure	01:31	07:14	05:43	01:21	07:04	05:43	22:10	01:28	06:59	22:11	07:04	07:18	00:14	22:04
EZY6190	6190	PSA	Pisa	DHL	GUZUK	A20N	26/10/2021		44	11:20	11:41		11:37	11	23	Arrival														
EZY6007	6007	FAO	Faro	DHL	GUZUK	A20N	26/10/2021	1	44	13:00	12:52		13:03	13	23	Departure	11:37	13:03	01:26	11:27	12:53	01:26	22:10	11:34	12:48	22:11	12:53	13:07	00:14	22:04
EZY6162	6162	AMS	Amsterdam	DHL	GEZTC	320	26/10/2021		44	14:10	14:27		14:23	14	23	Arrival	14:23	15:26	01:03	14:13	15:16	01:03	22:10	14:20	15:11	22:11	15:16	15:30	00:14	22:04
EZY447	447	BFS	Belfast Intl	DHL	GEZTC	320	26/10/2021	1	44	15:00	15:16		15:26	15	23	Departure														
EZY6264	6264	LCA	Larnaca	DHL	GUZMG	32Q	26/10/2021		44	17:45	17:36		17:30	17	23	Arrival	17:30	18:53	01:23	17:20	18:43	01:23	22:10	17:27	18:38	22:11	18:43	18:57	00:14	22:04
EZY6009	6009	FAO	Faro	DHL	GUZMG	32Q	26/10/2021	1	44	18:55	18:42		18:53	18	23	Departure														
EZY6252	6252	DBV	Dubrovnik	DHL	GEZPE	320	27/10/2021	1	44	12:55	12:49		12:46	12	23	Arrival	12:46	14:07	01:21	12:36	13:57	01:21	22:10	12:43	13:52	22:11	13:57	14:11	00:14	22:04
EZY393	393	INV	Inverness	DHL	GEZPE	320	27/10/2021	1	44	14:05	13:56		14:07	14	23	Departure														
EZY6066	6066	FUE	Fuerteventura	DHL	GUZHT	A20N	27/10/2021	1	44	15:15	15:26		15:22	15	23	Arrival	15:22	16:26	01:04	15:12	16:16	01:04	22:10	15:19	16:11	22:11	16:16	16:30	00:14	22:04
EZY405	405	GLA	Glasgow	DHL	GUZHT	A20N	27/10/2021	1	44	16:20	16:17		16:26	16	23	Departure														
EZY6258	6258	DLM	Dalaman	DHL	GEZTC	320	27/10/2021	1	44	21:30	21:24		21:20	21	23	Arrival	21:20	21:40	00:20	21:10	21:30	00:20	22:10	21:17	21:25	22:11	21:30	21:44	00:14	22:04
EZY401	401	GLA	Glasgow	DHL	GEZTC	320	28/10/2021	1	44	07:05	06:56		07:05	7	23	Departure														
EZY427	427	EDI	Edinburgh	DHL	GUZHS	A20N	28/10/2021	1	44	15:45	15:41		15:51	15	23	Departure	15:31	15:51	00:20	15:21	15:41	00:20	22:10	15:28	15:36	22:11	15:41	15:55	00:14	22:04
EZY6148	6148	OPO	Porto	DHL	GUZLC	A20N	28/10/2021	1	44	22:55	22:44		22:40	22	23	Arrival	22:40	23:00	00:20	22:30	22:50	00:20	22:10	22:37	22:45	22:11	22:50	23:04	00:14	22:04
EZY6127	6127	KGS	Kos	DHL	GUZLC	A20N	29/10/2021	1	44	07:00	06:52		07:00	7	23	Departure														
EYU6110	6110	NCE	Nice	DHL	OEIZQ	320	29/10/2021	1	44	08:40	08:26		08:22	8	23	Arrival	08:22	09:18	00:56	08:12	09:08	00:56	22:10	08:19	09:03	22:11	09:08	09:22	00:14	22:04
EYU6109	6109	NCE	Nice	DHL	OEIZQ	320	29/10/2021	1	44	09:10	09:05		09:18	9	23	Departure														
EZY6052	6052	AGP	Malaga	DHL	GEZWU	320	29/10/2021	1	44	12:10	12:28		12:24	12	23	Arrival	12:24	14:07	01:43	12:14	13:57	01:43	22:10	12:21	13:52	22:11	13:57	14:11	00:14	22:04
EZY393	393	INV	Inverness	DHL	GEZWU	320	29/10/2021	1	44	14:05	13:56		14:07	14	23	Departure														
EZY6018	6018	MLA	Malta	DHL	GEZPE	320	29/10/2021	1	44	15:20	15:07		15:02	15	23	Arrival	15:02	16:18	01:16	14:52	16:08	01:16	22:10	14:59	16:03	22:11	16:08	16:22	00:14	22:04
EZY447	447	BFS	Belfast Intl	DHL	GEZPE	320	29/10/2021	1	44	16:20	16:10		16:18	16	23	Departure														
EZY6328	6328	PFO	Paphos	DHL	GEZUO	320	29/10/2021	1	44	17:25	17:38		17:34	17	23	Arrival	17:34	18:28	00:54	17:24	18:18	00:54	22:10	17:31	18:13	22:11	18:18	18:32	00:14	22:04
EZY6157	6157	GVA	Geneva	DHL	GEZUO	320	29/10/2021	1	44	18:10	18:20		18:28	18	23	Departure														
EZY6052	6052	AGP	Malaga	DHL	GUZLC	A20N	30/10/2021	1	44	12:10	13:22		13:18	13	23	Arrival	13:18	14:29	01:11	13:08	14:19	01:11	22:10	13:15	14:14	22:11	14:19	14:33	00:14	22:04
EZY6065	6065	FUE	Fuerteventura	DHL	GUZLC	A20N	30/10/2021	1	44	14:00	14:18		14:29	14	23	Departure														
EZY6056	6056	AGP	Malaga	DHL	GUZLB	A20N	30/10/2021		44	18:25	18:24		18:20	18	23	Arrival	18:20	19:20	01:00	18:10	19:10	01:00	22:10	18:17	19:05	22:11	19:10	19:24	00:14	22:04
EZY6087	6087	IBZ	Ibiza	DHL	GUZLB	A20N	30/10/2021		44	19:10	19:10		19:20	19	23	Departure														
EZY6232	6232	NAP	Naples	DHL	GEZWU	320	30/10/2021		44	23:45	23:59		23:56	23	23	Arrival	23:56	00:16	00:20	23:46	00:06	00:20	22:10	23:53	00:01	22:11	00:06	00:20	00:14	22:04
EZY6007	6007	FAO	Faro	DHL	GEZWU	320	31/10/2021	1	45	07:40	07:33		07:44	7	23	Departure														
EYU6042	6042	PMI	Palma	DHL	OELOS	319	31/10/2021	1	45	08:35	08:30		08:26	8	23	Arrival	08:26	09:10	00:44	08:16	09:00	00:44	22:10	08:23	08:55	22:11	09:00	09:14	00:14	22:04
EYU6041	6041	PMI	Palma	DHL	OELOS	319	31/10/2021	1	45	09:05	09:01		09:10	9	23	Departure														
EZY6040	6040	PMI	Palma	DHL	GEZAB	319	31/10/2021	1	45	12:40	12:49		12:45	12	23	Arrival	12:45	13:35	00:50	12:35	13:25	00:50	22:10	12:42	13:20	22:11	13:25	13:39	00:14	22:04
EZY403	403	GLA	Glasgow	DHL	GEZAB	319	31/10/2021	1	45	13:10	13:27		13:35	13	23	Departure														
EZY6254	6254	LIS	Lisbon	DHL	GUZMD	32Q	31/10/2021	1	45	13:35	13:37		13:33	13	23	Arrival	13:33	14:46	01:13	13:23	14:36	01:13	22:10	13:30	14:31	22:11	14:36	14:50	00:14	22:04
EZY405	405	GLA	Glasgow	DHL	GUZMD	32Q	31/10/2021	1	45	14:45	14:37		14:46	14	23	Departure														
EZY6062	6062	ATH	Athens	DHL	GUZMG	32Q	31/10/2021	1	45	15:30	15:35		15:30	15	23	Arrival	15:30	16:42	01:12	15:20	16:32	01:12	22:10	15:27	16:27	22:11	16:32	16:46	00:14	22:04
EZY6035	6035	MAD	Madrid	DHL	GUZMG	32Q	31/10/2021	1	45	16:40	16:33		16:42	16	23	Departure														
EZY6224	6224	CDG	Paris CDG	DHL	GUZMD	32Q	31/10/2021		45	22:00	22:14		22:10	22	23	Arrival	22:10	22:30	00:20	22:00	22:20	00:20	22:10	22:07	22:15	22:11	22:20	22:34	00:14	22:04
EZY6071	6071	ALC	Alicante	DHL	GUZMD	32Q	15/10/2021		42	06:50	06:45		06:54	6	24	Departure														
EZY6235	6235	ORY	Paris ORY	DHL	GEZDM	319	15/10/2021		42	16:10	16:08		16:17	16	24	Departure	15:57	16:17	00:20	15:47	16:07	00:20	22:10	15:54	16:02	22:11	16:07	16:21	00:14	22:04
EZY6010	6010	FAO	Faro	DHL	GUZMD	32Q	16/10/2021		42	00:45	00:45		00:41	0	24	Arrival	00:41	06:04	05:23	00:31	05:54	05:23	22:10	00:38	05:49	22:11	05:54	06:08	00:14	22:04



CO2 Data



Electric Vehicle Usage



Flight Data

Overview

Data from the 13-09-21 to 14-11-21



CO2 Reductions for Electrical GSE used



Saving
9,411
Kgs CO2



CO2 Output for the supply of Electrical Charging



4,620
KWh Used

Producing
322
Kgs CO2



ATM's operated on stand 23 & 24 by Electrical Equipment



Total ATM's
618

Electric ATM's
449



Electric Vehicle Data

4,733
Running Hours

317
Kilometres Covered

3,576
Fuel Litres Saved

Thank you
Any questions?