

Edge Airport France



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Local Departure Control System
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Edge Airport France

L-DCS



Local Departure Control System

IATA / CUPPS compliant

Fonctionnalités :

- gestion graphique des plans cabines ;
- intégration des messages IATA , PNL, ADL ... ;
- APIS et EBorders ;
- traçabilité des passagers (PAXTracer) ;
- réconciliation des bagages ;
- document de vol ;
- génération et envoi des messages opérationnels PFS, LDM, FTL, ETL ... ;
- Weight & Balance ;
- calcul de centrage exprimé en %MAC ;
- génération des loadsheets.

Description

Airport Manager LDCS est un système d'enregistrement automatique des passagers. Chaque banque d'enregistrement peut gérer simultanément plusieurs vols.

Le programme est compatible avec l'utilisation de multiples périphériques CUPPS :

- MS Lecteurs de passeport (Optical Character Reader) ;
- OC : Lecteurs de cartes magnétiques (Magnetic Swipe Reader) ;
- BC : Lecteurs de code-barres ;
- BP : Imprimantes cartes d'accès à bord (CAB) ;
- BT : Imprimantes étiquettes bagages (TAG) ;
- BG : Lecteurs de cartes d'embarquement (BGR) ;
- PR : Imprimantes documents de vols.

Weight & balance

Le L-DCS inclut un module « Weight & Balance » permettant de calculer les masses et centrage des avions. Il calcule les différentes masses et effectue le calcul de centrage exprimé en %MAC. Les résultats sont envoyés dans des fichiers Excel qui sont présentés sous forme de loadsheet.

L'utilisation du module « Weight & Balance » est soumise à des conditions de certification entre Edge-airport et les Compagnies aériennes.

LDCS - Ecran principal

Liste des vols du jour

Messages IATA de chaque vol

The screenshot shows a flight booking interface. At the top, it displays "Connected on localhost Database: egi" and "Version: 0.0.8 21.03.2011". The main area has tabs for "Arives", "Arrivals", and "Seat map". Below these are sections for "PNL" (Passenger List), "CHK" (Check-in), and "BRD" (Boarding). A "Flight schedule" button is visible above the flight list. The flight list table includes columns for Flight Number, Destination, Arrival, Type, Seats, Seating, CK Close, Date, and Boarding. The flight listed is BR 3646 from Paris (CDG) to Liverpool (LPL) on 16.08.2013 at 09:00. The arrival time is 09:59. The flight is operated by IBERIA (IBR) and is a Economy class flight (ECON). Seats are available for Business (B) and Economy (ECON). The seating plan is STANDED. The flight is currently checked-in.

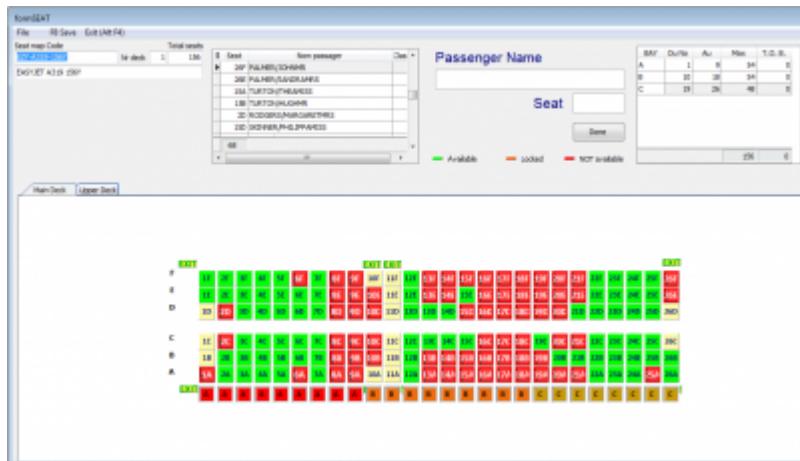
Plans cabines

L'outil graphique permet de créer facilement des plans cabines :

The screenshot shows the 'Tool box' tab selected in the 'Objects' section of the dialog. It contains a 'Tool box' icon, two yellow icons representing seat types, and a large blue downward arrow icon.

- gestion de 2 ponts (principal et supérieur (B747 ou A380)) ;
 - multi-classes de passagers ;
 - positionnement des issues de secours ;
 - blocage de sièges ;

- gestion des zones.



PNL - Intégration des listes de passagers

Le programme intègre les messages PNL et ADL et génère ainsi la liste des passagers. Avec cet outil, la préparation des vols sur le L-DCS ne prend que quelques minutes.

Les points forts de cette fonctionnalité sont la récupération automatique des données suivantes :

- n° de séquence pour les passagers enregistrés sur internet (web check-in) ;
- nom de chaque passager et référence de réservation ou n° de E-ticket ;
- n° de siège ;
- comptage des hommes, femmes, enfants (-12 ans) et bébés ;
- informations particulières (bagages prépayés, chaise roulante, ...) ;
- vols en correspondance (permet d'imprimer les étiquettes bagages jusqu'à la destination finale).

Passenger List - Edge Airport															
Passenger ID	Passenger Name	Seat Row	Seat Col	Flight	Age	Gender	Passenger Type	Flight Status	Passenger ID	Passenger Name	Seat Row	Seat Col	Flight	Passenger ID	Passenger Name
PNL-000000001	Passenger 1	A	1	Flight 1	30	M	Adult	On Board	PNL-000000001	Passenger 1	A	1	Flight 1	PNL-000000001	Passenger 1
PNL-000000002	Passenger 2	B	2	Flight 1	25	F	Adult	On Board	PNL-000000002	Passenger 2	B	2	Flight 1	PNL-000000002	Passenger 2
PNL-000000003	Passenger 3	C	3	Flight 1	40	M	Adult	On Board	PNL-000000003	Passenger 3	C	3	Flight 1	PNL-000000003	Passenger 3
PNL-000000004	Passenger 4	D	4	Flight 1	20	F	Adult	On Board	PNL-000000004	Passenger 4	D	4	Flight 1	PNL-000000004	Passenger 4
PNL-000000005	Passenger 5	E	5	Flight 1	35	M	Adult	On Board	PNL-000000005	Passenger 5	E	5	Flight 1	PNL-000000005	Passenger 5
PNL-000000006	Passenger 6	F	6	Flight 1	28	F	Adult	On Board	PNL-000000006	Passenger 6	F	6	Flight 1	PNL-000000006	Passenger 6
PNL-000000007	Passenger 7	G	7	Flight 1	32	M	Adult	On Board	PNL-000000007	Passenger 7	G	7	Flight 1	PNL-000000007	Passenger 7
PNL-000000008	Passenger 8	A	8	Flight 1	22	F	Adult	On Board	PNL-000000008	Passenger 8	A	8	Flight 1	PNL-000000008	Passenger 8
PNL-000000009	Passenger 9	B	9	Flight 1	38	M	Adult	On Board	PNL-000000009	Passenger 9	B	9	Flight 1	PNL-000000009	Passenger 9
PNL-000000010	Passenger 10	C	10	Flight 1	26	F	Adult	On Board	PNL-000000010	Passenger 10	C	10	Flight 1	PNL-000000010	Passenger 10
PNL-000000011	Passenger 11	D	11	Flight 1	33	M	Adult	On Board	PNL-000000011	Passenger 11	D	11	Flight 1	PNL-000000011	Passenger 11
PNL-000000012	Passenger 12	E	12	Flight 1	24	F	Adult	On Board	PNL-000000012	Passenger 12	E	12	Flight 1	PNL-000000012	Passenger 12
PNL-000000013	Passenger 13	A	1	Flight 2	30	M	Adult	On Board	PNL-000000013	Passenger 13	A	1	Flight 2	PNL-000000013	Passenger 13
PNL-000000014	Passenger 14	B	2	Flight 2	25	F	Adult	On Board	PNL-000000014	Passenger 14	B	2	Flight 2	PNL-000000014	Passenger 14
PNL-000000015	Passenger 15	C	3	Flight 2	40	M	Adult	On Board	PNL-000000015	Passenger 15	C	3	Flight 2	PNL-000000015	Passenger 15
PNL-000000016	Passenger 16	D	4	Flight 2	20	F	Adult	On Board	PNL-000000016	Passenger 16	D	4	Flight 2	PNL-000000016	Passenger 16
PNL-000000017	Passenger 17	E	5	Flight 2	35	M	Adult	On Board	PNL-000000017	Passenger 17	E	5	Flight 2	PNL-000000017	Passenger 17
PNL-000000018	Passenger 18	F	6	Flight 2	28	F	Adult	On Board	PNL-000000018	Passenger 18	F	6	Flight 2	PNL-000000018	Passenger 18
PNL-000000019	Passenger 19	G	7	Flight 2	32	M	Adult	On Board	PNL-000000019	Passenger 19	G	7	Flight 2	PNL-000000019	Passenger 19
PNL-000000020	Passenger 20	A	8	Flight 2	22	F	Adult	On Board	PNL-000000020	Passenger 20	A	8	Flight 2	PNL-000000020	Passenger 20
PNL-000000021	Passenger 21	B	9	Flight 2	38	M	Adult	On Board	PNL-000000021	Passenger 21	B	9	Flight 2	PNL-000000021	Passenger 21
PNL-000000022	Passenger 22	C	10	Flight 2	26	F	Adult	On Board	PNL-000000022	Passenger 22	C	10	Flight 2	PNL-000000022	Passenger 22
PNL-000000023	Passenger 23	D	11	Flight 2	33	M	Adult	On Board	PNL-000000023	Passenger 23	D	11	Flight 2	PNL-000000023	Passenger 23
PNL-000000024	Passenger 24	E	12	Flight 2	24	F	Adult	On Board	PNL-000000024	Passenger 24	E	12	Flight 2	PNL-000000024	Passenger 24
PNL-000000025	Passenger 25	A	1	Flight 3	30	M	Adult	On Board	PNL-000000025	Passenger 25	A	1	Flight 3	PNL-000000025	Passenger 25
PNL-000000026	Passenger 26	B	2	Flight 3	25	F	Adult	On Board	PNL-000000026	Passenger 26	B	2	Flight 3	PNL-000000026	Passenger 26
PNL-000000027	Passenger 27	C	3	Flight 3	40	M	Adult	On Board	PNL-000000027	Passenger 27	C	3	Flight 3	PNL-000000027	Passenger 27
PNL-000000028	Passenger 28	D	4	Flight 3	20	F	Adult	On Board	PNL-000000028	Passenger 28	D	4	Flight 3	PNL-000000028	Passenger 28
PNL-000000029	Passenger 29	E	5	Flight 3	35	M	Adult	On Board	PNL-000000029	Passenger 29	E	5	Flight 3	PNL-000000029	Passenger 29
PNL-000000030	Passenger 30	F	6	Flight 3	28	F	Adult	On Board	PNL-000000030	Passenger 30	F	6	Flight 3	PNL-000000030	Passenger 30
PNL-000000031	Passenger 31	G	7	Flight 3	32	M	Adult	On Board	PNL-000000031	Passenger 31	G	7	Flight 3	PNL-000000031	Passenger 31
PNL-000000032	Passenger 32	A	8	Flight 3	22	F	Adult	On Board	PNL-000000032	Passenger 32	A	8	Flight 3	PNL-000000032	Passenger 32
PNL-000000033	Passenger 33	B	9	Flight 3	38	M	Adult	On Board	PNL-000000033	Passenger 33	B	9	Flight 3	PNL-000000033	Passenger 33
PNL-000000034	Passenger 34	C	10	Flight 3	26	F	Adult	On Board	PNL-000000034	Passenger 34	C	10	Flight 3	PNL-000000034	Passenger 34
PNL-000000035	Passenger 35	D	11	Flight 3	33	M	Adult	On Board	PNL-000000035	Passenger 35	D	11	Flight 3	PNL-000000035	Passenger 35
PNL-000000036	Passenger 36	E	12	Flight 3	24	F	Adult	On Board	PNL-000000036	Passenger 36	E	12	Flight 3	PNL-000000036	Passenger 36
PNL-000000037	Passenger 37	A	1	Flight 4	30	M	Adult	On Board	PNL-000000037	Passenger 37	A	1	Flight 4	PNL-000000037	Passenger 37
PNL-000000038	Passenger 38	B	2	Flight 4	25	F	Adult	On Board	PNL-000000038	Passenger 38	B	2	Flight 4	PNL-000000038	Passenger 38
PNL-000000039	Passenger 39	C	3	Flight 4	40	M	Adult	On Board	PNL-000000039	Passenger 39	C	3	Flight 4	PNL-000000039	Passenger 39
PNL-000000040	Passenger 40	D	4	Flight 4	20	F	Adult	On Board	PNL-000000040	Passenger 40	D	4	Flight 4	PNL-000000040	Passenger 40
PNL-000000041	Passenger 41	E	5	Flight 4	35	M	Adult	On Board	PNL-000000041	Passenger 41	E	5	Flight 4	PNL-000000041	Passenger 41
PNL-000000042	Passenger 42	F	6	Flight 4	28	F	Adult	On Board	PNL-000000042	Passenger 42	F	6	Flight 4	PNL-000000042	Passenger 42
PNL-000000043	Passenger 43	G	7	Flight 4	32	M	Adult	On Board	PNL-000000043	Passenger 43	G	7	Flight 4	PNL-000000043	Passenger 43
PNL-000000044	Passenger 44	A	8	Flight 4	22	F	Adult	On Board	PNL-000000044	Passenger 44	A	8	Flight 4	PNL-000000044	Passenger 44
PNL-000000045	Passenger 45	B	9	Flight 4	38	M	Adult	On Board	PNL-000000045	Passenger 45	B	9	Flight 4	PNL-000000045	Passenger 45
PNL-000000046	Passenger 46	C	10	Flight 4	26	F	Adult	On Board	PNL-000000046	Passenger 46	C	10	Flight 4	PNL-000000046	Passenger 46
PNL-000000047	Passenger 47	D	11	Flight 4	33	M	Adult	On Board	PNL-000000047	Passenger 47	D	11	Flight 4	PNL-000000047	Passenger 47
PNL-000000048	Passenger 48	E	12	Flight 4	24	F	Adult	On Board	PNL-000000048	Passenger 48	E	12	Flight 4	PNL-000000048	Passenger 48
PNL-000000049	Passenger 49	A	1	Flight 5	30	M	Adult	On Board	PNL-000000049	Passenger 49	A	1	Flight 5	PNL-000000049	Passenger 49
PNL-000000050	Passenger 50	B	2	Flight 5	25	F	Adult	On Board	PNL-000000050	Passenger 50	B	2	Flight 5	PNL-000000050	Passenger 50
PNL-000000051	Passenger 51	C	3	Flight 5	40	M	Adult	On Board	PNL-000000051	Passenger 51	C	3	Flight 5	PNL-000000051	Passenger 51
PNL-000000052	Passenger 52	D	4	Flight 5	20	F	Adult	On Board	PNL-000000052	Passenger 52	D	4	Flight 5	PNL-000000052	Passenger 52
PNL-000000053	Passenger 53	E	5	Flight 5	35	M	Adult	On Board	PNL-000000053	Passenger 53	E	5	Flight 5	PNL-000000053	Passenger 53
PNL-000000054	Passenger 54	F	6	Flight 5	28	F	Adult	On Board	PNL-000000054	Passenger 54	F	6	Flight 5	PNL-000000054	Passenger 54
PNL-000000055	Passenger 55	G	7	Flight 5	32	M	Adult	On Board	PNL-000000055	Passenger 55	G	7	Flight 5	PNL-000000055	Passenger 55
PNL-000000056	Passenger 56	A	8	Flight 5	22	F	Adult	On Board	PNL-000000056	Passenger 56	A	8	Flight 5	PNL-000000056	Passenger 56
PNL-000000057	Passenger 57	B	9	Flight 5	38	M	Adult	On Board	PNL-000000057	Passenger 57	B	9	Flight 5	PNL-000000057	Passenger 57
PNL-000000058	Passenger 58	C	10	Flight 5	26	F	Adult	On Board	PNL-000000058	Passenger 58	C	10	Flight 5	PNL-000000058	Passenger 58
PNL-000000059	Passenger 59	D	11	Flight 5	33	M	Adult	On Board	PNL-000000059	Passenger 59	D	11	Flight 5	PNL-000000059	Passenger 59
PNL-000000060	Passenger 60	E	12	Flight 5	24	F	Adult	On Board	PNL-000000060	Passenger 60	E	12	Flight 5	PNL-000000060	Passenger 60

Enregistrer les passagers, imprimer les cartes d'embarquement et les étiquettes bagages sont

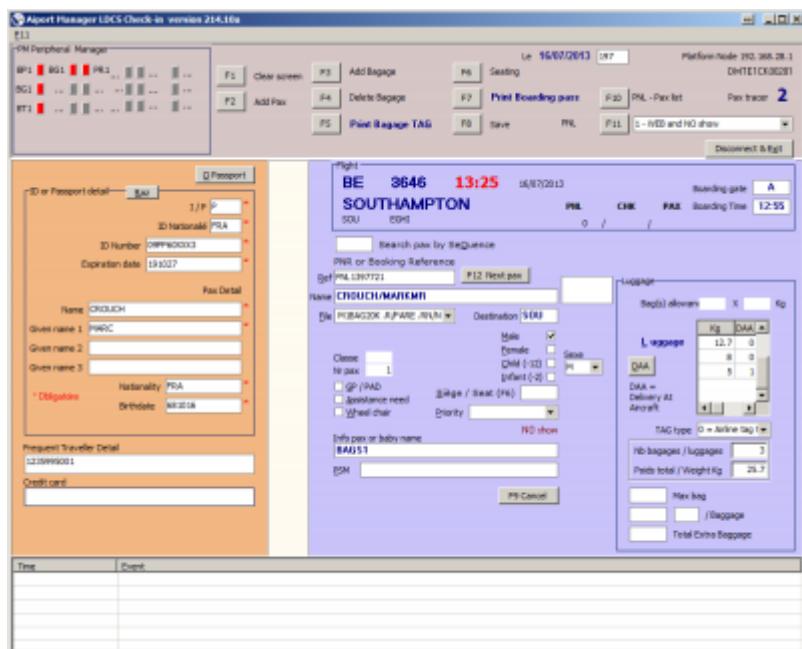
facilités par l'ergonomie du logiciel.

La recherche du passager peut s'effectuer de plusieurs façons :

- en passant le passeport du passager dans le lecteur prévu à cet effet ;
- en composant partiellement le début de son nom ;
- en affichant la liste des passagers (PNL).

Sélection automatique du vol

En lisant le passeport d'un passager, le programme retrouve automatiquement le vol sur lequel le passager voyage.



Boarding

Le L-DCS offre la possibilité de connecter jusqu'à 3 BGR permettant ainsi de réaliser des embarquements rapides. Le 3^{ème} BGR peut être un lecteur de CAB sans fil ou encore une porte automatique.

Le logiciel peut aussi être utilisé sans BGR. Il suffit de taper le n° de séquence de chaque carte d'embarquement pour embarquer un passager.



The screenshot shows the Agent Manager VRS Control software interface. At the top, there's a header bar with the title 'Agent Manager VRS Control version 21.5.0.0'. Below it, a toolbar has buttons for 'File', 'Edit', 'View', 'Print', 'Help', and 'Exit'. A status bar at the bottom right shows 'Platform node 192.168.25.1' and 'DATE 10/03/2019'.

The main window contains several sections:

- Flight Information:** Displays flight details: 'Flight number: 141810121', 'Arrival: 14:00', 'Departure: 14:00', 'Flight: 141810121', 'Flight status: On time', and 'Flight duration: 00:00:00'. It also shows 'Passenger count: 0/200' and 'Boarding pass: 0/200'.
- Passenger List:** A table titled 'Passenger List' shows 264 passengers. The columns include: Name, Sex, Date of Birth, Height, Weight, and Pass. Status. Many passengers have 'Pass' status set to 'OK'.
- Boarding Passes:** A section titled 'Boarding Passes' shows a boarding pass for 'COCHRANE/FREYAMISS' with 'OK' status. It includes fields for 'Passenger Name', 'Flight', 'Boarding Pass Number', and 'OK' status.
- Boarding Gates:** Three empty boxes labeled 'Boarding Gate Header 1', 'Boarding Gate Header 2', and 'Boarding Gate Header 3'.

Loadsheet

Pour les compagnies certifiées sur le système « Weight & Balance », il est possible de générer les loadsheets dans des fichiers Excel.

BASIC WEIGHT		13 411	FLT Nb:			
Corrections	crew	528	DATE:	24-dec		
+ -	-	-	A/C:	ATR72-500		
Corrected basic weight		13 839	CPT:			
TAKEOFF FUEL +		2 230	CRW:			
Operational weight		16 169	DESTINATION: ORY			
DEST	PASSENGERS AD CH	TOTAL WEIGHT	CARGO			
			1st crew	2nd crew	ATT	
HAH	G	0	0	0		
	B	0	0	0		
	S	0	0	0		
	C	0	0	0		
	M	0	0	0		
	T	0	0	0		
	Y	0	0	0		
			MAXIMUM WEIGHT	Zero fuel	Takeoff	Landing
				20 800	22 230	22 350
			TAKEOFF FUEL	2 230	Trip fuel	250
			LIMITATION (Lowest of the 3)	23 030	22 500	22 800
			OPERATIONAL WEIGHT	16 169	16 169	16 169
			LOADING	5 851	6 333	6 431
			BASIC INDEX	-12.55		
LAST MINUTE CHANGE LMC		BASIC INDEX CORRECTION		ZONES CORRECTION INDEX		
DEST	IN	OUT	WEIGHT	ZONES		
				A	B	C
				0.0	0.0	0.0
				D	E	F
			WEIGHT VARIATION	ZONE B	ZONE C	ZONE D
			10 KG	0.00	0.40	-0.00
			-10 KG	-0.00	-0.40	-0.00
TOTAL LMC +/-		INDEX CORRECTION		CORRECTED INDEX		
				-12.00		
ZONES NB weight (kg)						
CABIN A 18 1336						
CABIN B 21 1300						
CABIN C 12 913						
FWD CARGO 226						
AFT CARGO 330						
FUEL		2 230				
Cargo weight (KG) A		580		FLIGHT LIMIT		
Passenger weight (KG) B		3 617		IMPER		
LOADING A + B		4 167		ZF C9		
CORRECTED BASIC WEIGHT		13 839		MTOW		
ZERO FUEL WEIGHT		16 169		TD C9		
MAX 20 800		-		MLAW		
TAKEOFF FUEL		2 230		LA C9		
TAKEOFF WEIGHT		20 336		Index		
MAX 22 800		-		21 500		
TRIP FUEL		250		20 800		
LANDING WEIGHT		20 666		19 500		
MAX 22 350		-		18 000		
PREPARED BY		APPROVED BY		ZFW MAC	22.7%	
				14%	100% 37%	
				TOW MAC	24.3%	

Les guides

Guide d'installation

L-DCS : Guide d'installation

Guide d'utilisation

L-DCS : Manuel de l'agent d'escale

Les formations

L-DCS : Formations pour les administrateurs et les utilisateurs

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Edge Airport France

Airport Manager Solutions

Phone: +33 553 801 366

Service commercial : contact@edge-airport.com

Support technique : support@edge-airport.com

Edge Airport France SAS au capital de 150 000 €

RCS Bergerac 529 125 346 Les Lèches TVA : FR53529125346 / EORI : FR52912534600039

Tel : +33(0)553 801 366 contact@edge-airport.com www.edge-airport.com