









• www.iflghts.aero

iFlights Helicopter Aviation Management System







Powered by Ivalley

iFlights Features

iFlights web-based system with flexible graphical user interface, in order to facilitate system usability. High level security structure already implemented for any account login including users' authentication and authorization levels. I-Flights focus in covering core business of aviation companies.



IFlights is extensible system, can be also integrated with third party systems i.e. mobile applications, web systems and desktop systems.

System Technical Specifications

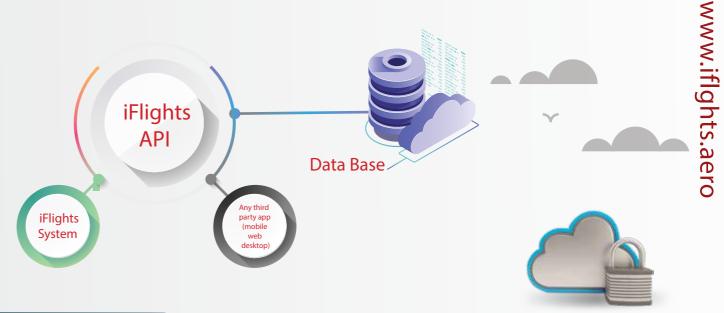
Operating System:

The application will be a Web based .NET application with latest Framework running over latest version of Microsoft Windows Server and latest version of Internet Information Server IIS.

Database engine:

Backend database should be implemented using MS SQL Server.

- •Front end Will be developed using Microsoft C#, MVC 5, HTML 5, Angular JS, XML.
- •Data export/import options will be implemented using webAPi 2.0 or MVC controllers which will be the layer to between presentation layer of system (web based, desktop or mobile) and business layer of application.
- •Mobile application will be IOS and Android based.
- •Reports will be generated in these formats: PDF, CSV, Excel, RTF, XPS.



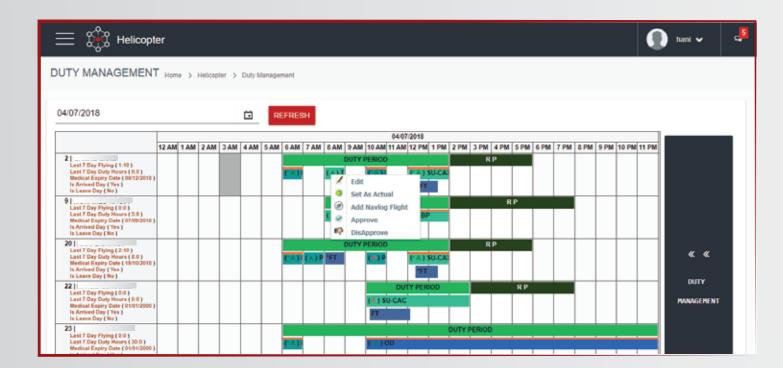
iFlights Security

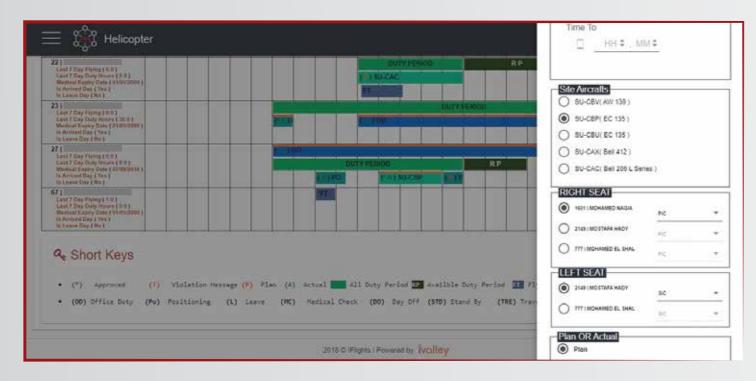
System security is based on ASP Net Identity 2.0 with OAuth integration with the following supported features:

- •Two-Factor Authentication via email or SMS messaging.
- Account Confirmation via email.
- •Administrative management of Users and Roles.
- Account Lock-Out in response to invalid log-in attempts.
- •Security Token Provider to regenerate a user's security token in response to changes in security settings.
- Easy Integration of Claims-Based Authorization.

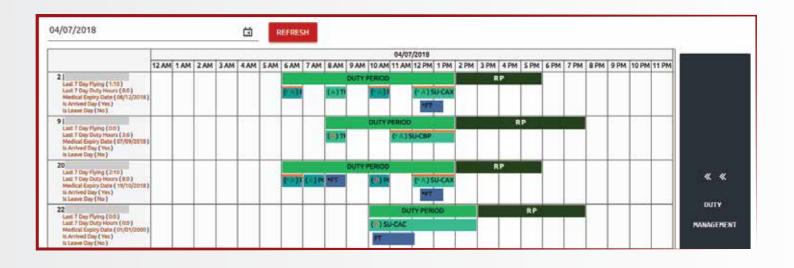
Crew Duty management:

- •Manage crew duties in sites based on published roster from scheduling and training departments
- •Handling Flight time limitation validation while assign any crew member for better quality schedule without any time violation problems.
- •Manage all rules dynamically on system either Civil aviation regulations or custom company rules
- •Crew status for: last 7 days last 14 days last 28 days last 90 days last 365 days
- •Introducing a high level of authorization to review crew duty and also set actual data if needed to all crew duty types









• Plan guide Report that helps site manager in creating duty plan for all site pilots, then to initiate plan on iFlights and finally our system will notify pilots with the new or modified plan

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						Valid	2021-04-20	2021-02-06	0.0
AW 139	Pic					N/A	2020-10-06	2021-02-06	0.0
						Valid	2021-04-12	2021-02-08	0.0
						Valid	2021-04-17	2021-02-09	0.0
AW 139	Sic					Valid	2021-04-17	2021-02-06	0.0
Bell 412	Pic					N/A	2021-04-17	2021-02-09	0.0
						Valid	2021-04-13	2021-02-09	0.0
EC 135	Pic					Valid	2020-10-06	2021-02-06	0.0
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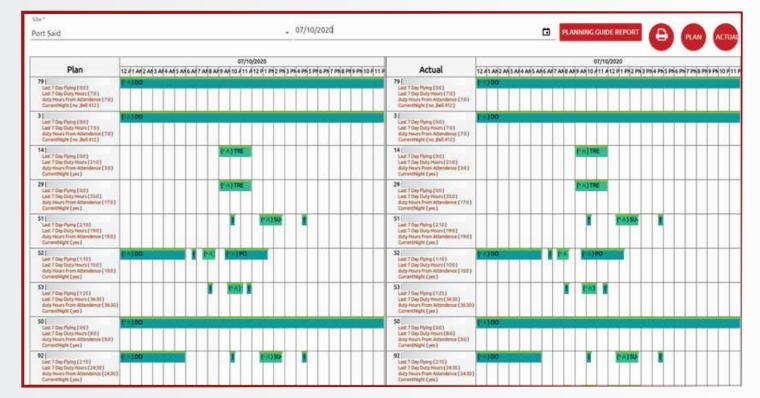
• iFlights able to Print detailed and professional report for "Flying Hours"

Port Sa	id Base Pilot Flying Ho	ırs			Pla	nning Date	: 2021-01-	12				
	Name	1/3/202	1/4/2021	1/5/2021	1/6/2021	1/7/2021	1/8/2021	1/9/2021	1/10/2021	1/11/2021	1/12/2021	Total Flig Time
1	EC 1	35				01:45			05:20		01:25	08:30
2	EC 1	35									01:25	01:25
3	AW 1	39									01:40	01:40
4	EC 1	35				01:45			05:20			07:05
5	AW 1	39										
6	EC 1	35										
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9	AW 1	39										
10	AW 1	39							04:40			04:40
11	AW 1	39 03:40										03:40
12	AW 1	39								02:00		02:00

- In case of training at the site location, system enabling site manager from uploading approved attachment with the meaning that certain pilot complete certain type of training successfully, afterward the specialists of this issue in main office can download and marked this training for this pilot.
- Site Manager have the ability in changing [certain pilot base] then he can also [change this pilot availability with the new base], after that system will notify main office specialist with these changes

CONFLICT BETWEEN PLAN AND ACTUALS

if there is a conflict between plan created by site manager and actuals reported by pilot, iFlights system enabling chief pilot to Compare difference between plan and actual then he can approve one of them to be approved one in iFlights



DUE SUGGESTION REPORT

iFlights can select checks and aircraft types

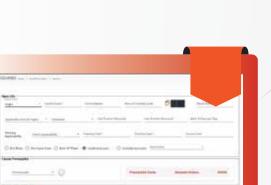
then system generate report with pilot and instructor checks according to instructor and pilots availability in site locations with taking in consideration the aircraft type availably which training will be applied on it

	A/C Type Check	AirCraft Type
Month	Day Line Check, Day Line Check	ck-C ▼ AW 139, Bell 206 B, Bell 206 L, Be ▼ Site Name ▼
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E-mail		
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Select Instructors 8	k Base Manager	▼ SENU E-MAIL

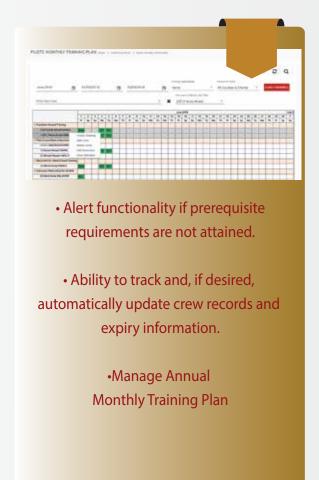
Training Module

- •Managing all learning transactions for the company stuff by follow up all applicable courses,
- •Licenses, checks and training programs with its affection to scheduling and planning.
- •Fully Integrated with Rostering Module by release only available crew to be assigned on duty and/or site availability,
- •Ability to handle requests from Rostering to allow release more crew in case of emergency by changing training plan.



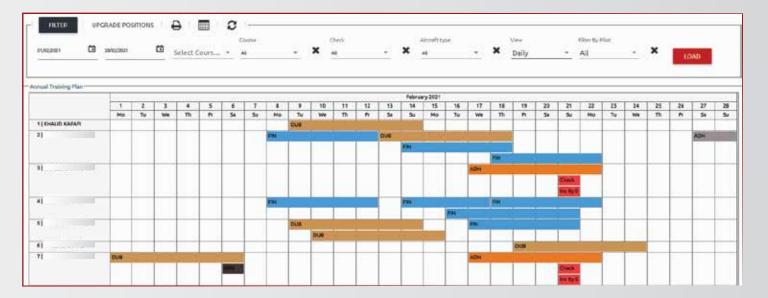


- •Notification system for following up applicable courses, licenses, checks and training programs .
- •Planning of recurrent and initial training .
- •Build your company Training Manual on system dynamically .
- •The ability to create dynamic rules related to a course prerequisite.

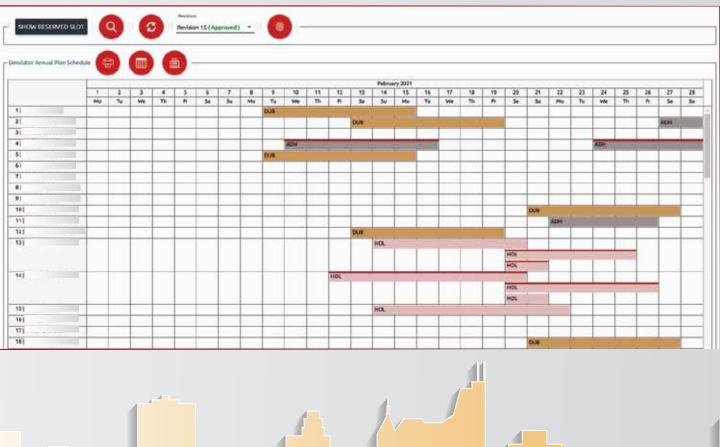




• Training Annual Plan that can be generated from iFlights regarding pilot profile data and courses with checks due dates



• Simulator annual plan can be generated from pilot simulator due dates and specialist will be able to do changes on it and do various revisions, then manager will be able to approve it, In order to help specialists to process hotel reservation for pilots travelling abroad for simulator





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Rostering Module

- •Schedule version management
- •Automatic generation of crew availability on sites/fields using user defined rules based on Crew AC types and sites AC types used in it.
- •Manage sites min crew requirements based on clients' needs
- •Fully integrated with Training module by fulfilling training requirements/needs to apply training plan.

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- Leave management
- •Easily handle training, under super vision, special training and on-line crew and check all sites min crew requirements
- •Implement and validate all Flight Time limitation regulations

MONTHLY TRAINING

after preparing annual plan and simulator plan then specialists can view monthly training which view data according to all setting in annual plan to set the actual training.

RECORD TRAINING RESULTS

last step to record the training results and once the result get approved from training manager it will affect inside iFlights pilot profile

GROUND TRAINING NOTIFICATIONS

in case that training type is ground training (inside or outside) iFlights will send notifications and mails to employee who responsible for booking class room and instructor

Course / Check	Source	Instructor	StartDate	EndDate	Status	Documented
SHAULATOR RECURRENT DUB (BELL 412)		MASSAN ASHINAWY	01/90/2029	64/10/2020	Approved	Documented
SINULATOR RECURRENT DUB (MELL #12)		MASSAN ASHIOAWY	01/10/2026	62/10/2620	Approved	Documented
OPERATIONAL FLICHT TRAINING (Bell 412)		NER! CAHARRA	01/10/2026	69/10/2020	Not Set	Not Documented
Night Line Check(EC 135)		YEMIA RASHIVIAN	02/10/2020	02/16/2020	Not Set	Not Documented
BHIULATOR RECURRENT DUB (BELL 412)		HASSAN ASHLUWYY	62/10/2026	06/10/2020	Approved	Documented
Day Line Check(EC 135)		YEHIA RASHWAN	03/10/2020	63/19/2020	Not Set	Not Documented
Day Une Check(AW 139)		ASHRAF KABIL	03/10/2020	63/19/2020	Not Set	Not Documented
Emergency Delil (AUF 129)		ASHRAF KABIL	03/10/2026	03/10/2020	Not Set	Not Documented
Errergeno Drill Bell 412		NERI CAHARRA	03/10/2020	03/10/2020	Not Set	Not D



• iFlights show all license expiry dates with special color coding in order to help scheduler

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• iFlights can view list with modified pilots in certain schedule revision in order to notify all of them.



COMPARE SCHEDULE REVISIONS

iFlights able to print report with changes between versions or in periods



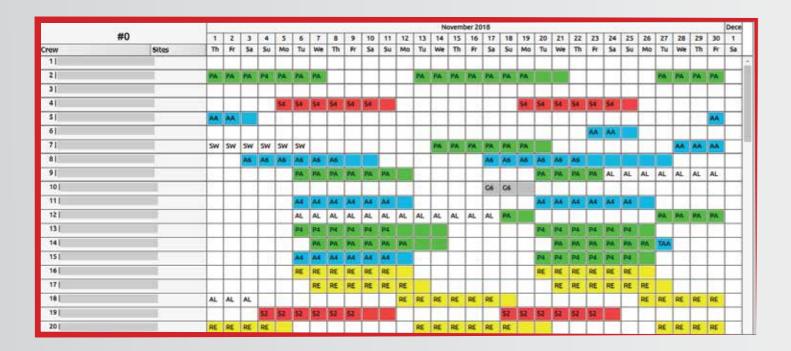
From Date: 01-02-2021 To Date: 28-02-2021

	Pilot Name	Day	Done By	Description
1 .		08-02-2021	ENG.AMGAD	C5 has been added (Cairo), (C.R.M (Recurrent))
2		08-02-2021	ENG.AMGAD	C5 has been added (Cairo), (C.R.M (Recurrent)) (instructor)
3		08-02-2021	ENG.AMGAD	C5 has been added (Cairo), (C.R.M (Recurrent))
4		08-02-2021	ENG.AMGAD	C5 has been added (Cairo), (C.R.M (Recurrent))
		10-02-2021	Shereif.Tawfik	AL has been added
		11-02-2021	Shereif.Tawfik	AL has been added
		11-02-2021	Shereif.Tawfik	RA has been canceled, (Abu Rudies)
5		12-02-2021	Shereif.Tawfik	AL has been added
		12-02-2021	Shereif.Tawfik	RA has been canceled, (Abu Rudies)
		13-02-2021	Shereif.Tawfik	AL has been added
		13-02-2021	Shereif.Tawfik	RA has been canceled, (Abu Rudies)
6		08-02-2021	ENG.AMGAD	C5 has been added (Cairo), (C.R.M (Recurrent))
7		14-02-2021	Shereif.Tawfik	RA has been canceled, (Abu Rudies)
8		08-02-2021	ENG.AMGAD	C5 has been added (Cairo), (C.R.M (Recurrent))
9		12-02-2021	Shereif.Tawfik	S4 has been added (Ras Shukeir)

ı	FA: First Aid Course	DUB: Taining in Dubai	NT: Night Training	C: Cairo MB	C4: 412 Training in Cairo MB
l	AL: Annual Leave	GER: Taining in Germany	T: Training Or Fly as SIC	C1: Pre Simulator Course	C5: CRM Course In Cairo MB
ı	ML: Sick Leave	SW: Taining in Sweden	AP: Cairo Airport	C2: 212 Training In Cairo MB	C6: 206 Training in Cairo MB
ı	UL: Un Paid Leave	ITA: Taining In Italy	NSH: NO SHOW	C3: Instructor Course	C7: SMS Course In Calro MB
ı	FE: Fire Extinguishing	CE: Evaluation In Cairo MB	HU: Hel Under Water Escape Training	SEC: Security Course	C8: 135 Training in Cairo MB
ı	DG: Dangerous Goods	DO: Day Off			C9: Aw139 Training in Cairo MB
l	HF: Human Factors	GRD : GROUNDED (NO FLIGH	IT UNTIL FURTHER INSTRUCTION)		
l	SD:Site Duty With No Flying	S:Stage Check	U:Under Super Vision	EFB :Electronic Flight Bag Gro	und Training
l	elc:Electricity	cel:E-Learning	ORE:Electricty Oriantation Course	L:Day-Night Line Check	E:Emergency Drill
	ET:English Test	MC:CAA Medical Check			

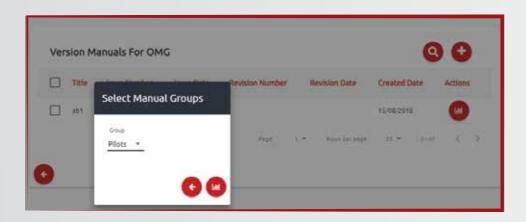
Crew Portal (web)

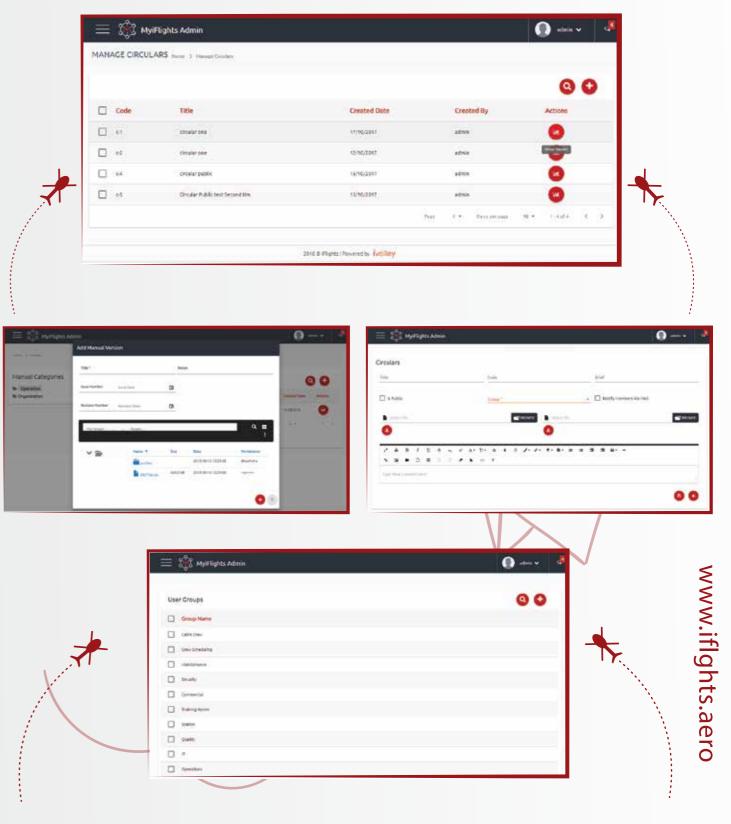
- •Facilitating the communication among the crew and planning / scheduling departments.
- •Crew notification lists following d uties and crew schedule changes.
- •View Schedule.
- Profile monitoring.
- •Leave management.



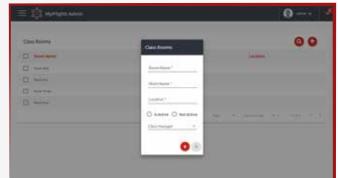
My iFlights (web)

- •Used to track, manage and store documents. It's capable of keeping a record of the various versions created and modified by system admins (history tracking).
- •Internal communication channels.
- •Announcements and docs visibility tracking.
- •E-Library.







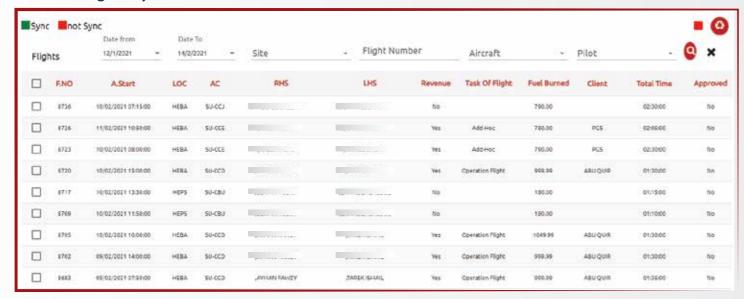


Integration with Third Party Navlog [HELIEFB]





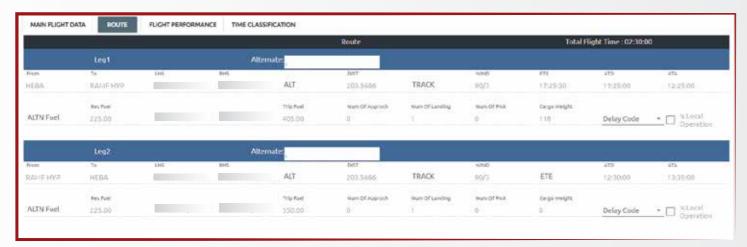
• iFlights Helicopter already integrated with third party system that can sync flights actual data to iFlights system



DATA INTEGRATION FEATURES

After Flights actual data live sync to iFlights system, Site managers can view all flight details information like(route, performance, flying hours classification)
Site Managers can review all actual data after sync and all aproved data will affect pilot flying hours

Route



Performance

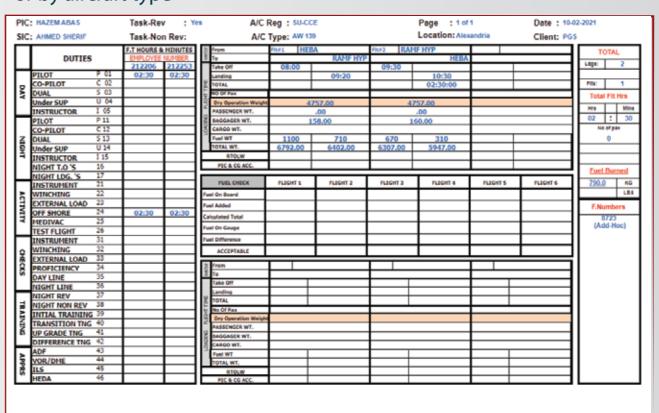


Flying hour classification



.LOAD-SHEETS PRINT OUT

iFlights can print load-sheets for specific flight or grouped flights in period or by aircraft type



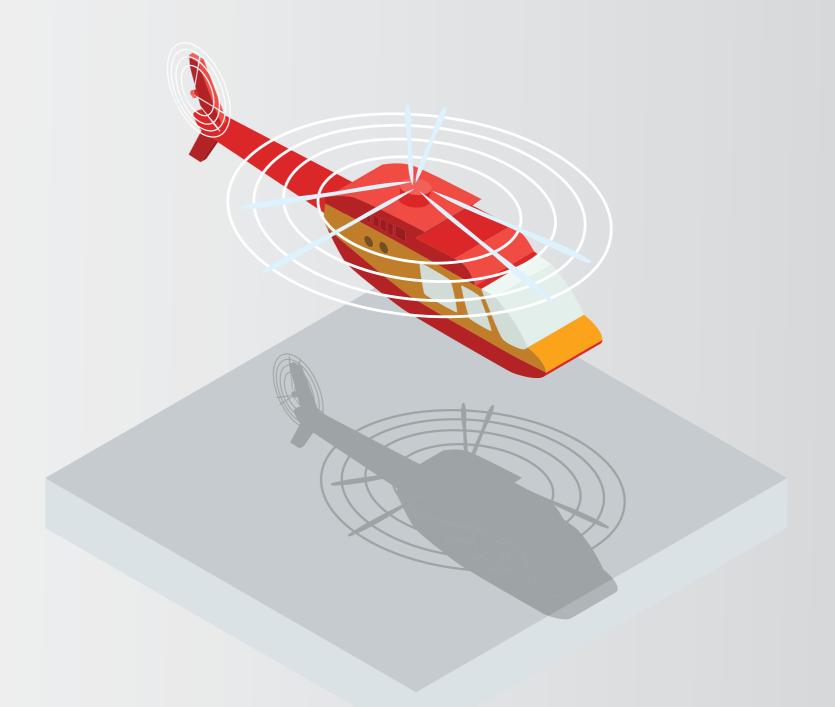
My iFlights

Combination of all features of My iFlights (web) and Crew Portal (web) to be accessible on mobile app using the power of mobile device capabilities i.e. push notifications.

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