WHO WE ARE?

Aii Airspace Design is a private company with high-level professionals from various sectors of aviation industry. We are committed to develop safest, most capable and cost-effective airspace solutions for the helicopter industry.

OUR TEAM HAS STRONG KNOWLEDGE AND EXPERTISE IN:

- Business Development
- Product Development
- Flight Operations
- Flight Procedure Design
- Aviation Safety
- Air Traffic Control

POSSIBILITY

- In Finland, the required financing for government helicopter services is significantly high annually
- Helicopter Emergency Medical Services face a lot of problems with the provision of services due to weather conditions
- There is currently no solution available in the market to increase usability

Today, the availability of Helicopter Emergency Medical Services is limited because of the flight rules, based on the assumption that instrument flight is provided to the state owned airports only. This is an insufficient approach and must change. It is possible to create an advanced system that is safe, economical and effective in terms of flight execution and supply of more equal medical care.

SOLUTION

- We are developing Instrument Approaches and low-level routes using Instrument Flight Rules for aviation, initially for helicopter industry to increase operative all-weather capability.
- Together with the Instrument Approach network to hospitals, we are developing a route network between them. Routes are built at the lowest altitude level as possible to reduce impact of icing conditions and to separate users from another Instrument Flight Rules traffic.
- The aim is to make helicopter operation services as performant as airplanes using instrument approaches with the capability to safely land in any hospital heliports.
CUSTOMER ORIENTED PRODUCTS

Our Customer is the key / at the core of our solution(s)!
For us, giving customers what they need is of utmost importance. To ensure highest level customer satisfaction we keep them informed of all developments. Everything is transparent. Our core philosophy is to find best, safest and cost-effective operative solutions for our customers and add value for their services.

It is important for any organization to estimate costs correctly. We will bring products to the market with fixed costs and transparency with turn key-contract basis and full support package? It is important for us that our customers can focus on their core business – provision of medical care and ultimately, patient.

We’ll bring products to the market that
- Have fixed prices for users
- Fulfill all requirements of the relevant authorities
- Are customer-oriented
- Include License maintenance and updates for licenses
- Have advanced training solutions

WE OFFER

For Hospitals
- All weather availability of operations
- Heliport safety procedures
- Operations support for changes
- Implementation of the requirements of the aviation authority

For Flight Operators
- Standard procedures
- Electronic chart library
- Revision service
- Support change management
- Resource management
- Quality and Safety management

For Flight Crews
- Comprehensive data package
- Seamless operations support
- Continuous location analysis
- All weather procedures
- Standard flight operation procedures

PILOT PROJECT
PinS approaches for two hospitals and Instrument Flight Rules low-level routes between them
- Optimizing internal processes
- Building a co-operation with key partners
- Level of cost for production
- Recognizing threats
- Resource management
- Quality and Safety Management
WHERE WE ARE

Emergency Medical Services are an essential part of Finland’s public health care that provide out-of-hospital acute medical care, transport to definitive care and/or other medical transport to seriously ill patients using helicopters from six flight bases across the country. Geographical and weather conditions make Helicopter Emergency Medical Service operations challenging with the number of accessible departure and landing sites in a bad weather minimum.

Access to Helicopter Emergency Medical Services can be greatly improved by using new solutions. Quality aircrafts and crew capabilities do exist, but navigation support does not.

It is waste of resources to keep aircraft and crew grounded, while at the same time someone is in a dire need of immediate help.

WHERE WE GO

Schematic view

- Level 1 University hospitals
- Level 2 medical care locations
- Other locations

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