



(A Product of RPTL through AAI start-up Initiative)



Welcomes you!

About Us



RTPL incorporated in September 2017



RTPL is an Aviation Tech startup that offers solutions in Air Traffic Management (ATM).



Our mission is to indigenously develop the core ATM solutions for India and Global customers.



In 2019, Emerged as the **winner in Start up India Challenge**, competing against 280+ participants, and received a Letter Of Intent from the Ministry of Civil Aviation (MCA) to convert the concept into a prototype.



Seed funding by Kridha Technologies Inc.



PSRKV PRASAD
Founder

35 years of Experience in Software Development at **ECIL** in Aviation Domain



MURALIKRISHNA
SURAMPALLI Co-Founder

20 years of Experience in Aviation technology at **IBM**

Problem Statement



The actors in Air Traffic Management heavily rely on the information to effectively control the Air Traffic at Airport and Airspace.

ICAO mandate to upgrade the technology of all the airports worldwide by 2025



This information is originated and exchanged among multiple system stakeholders — namely ATC, Pilots, Airlines, Airports, Military, etc..

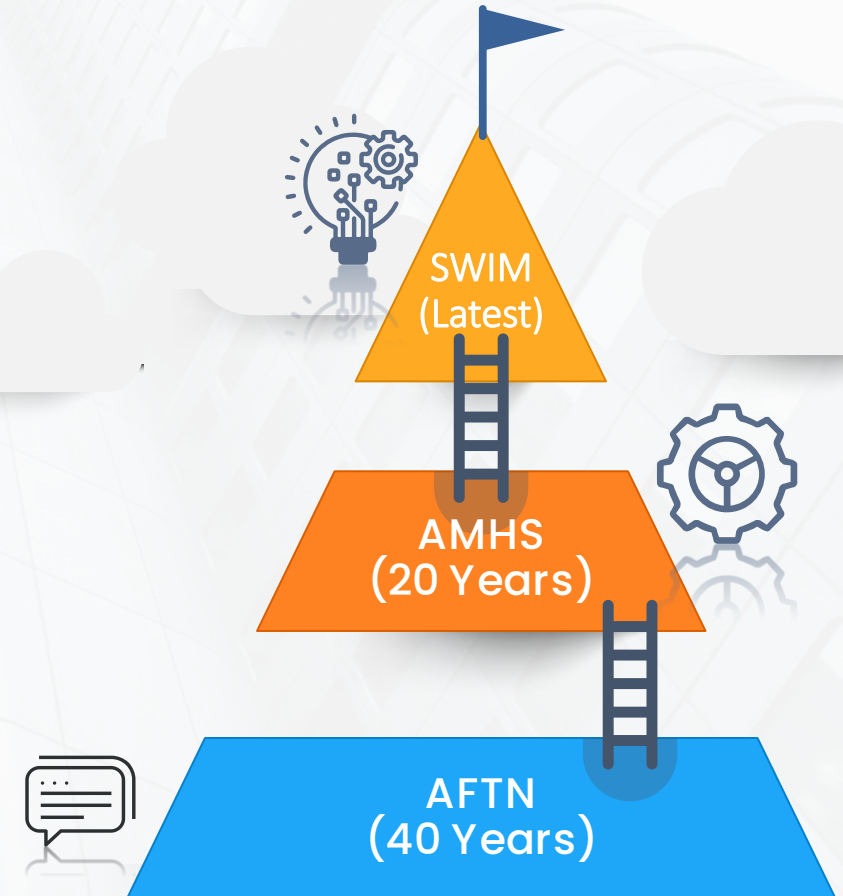
The Airport Authority of India is also very keen to make this technological transition.

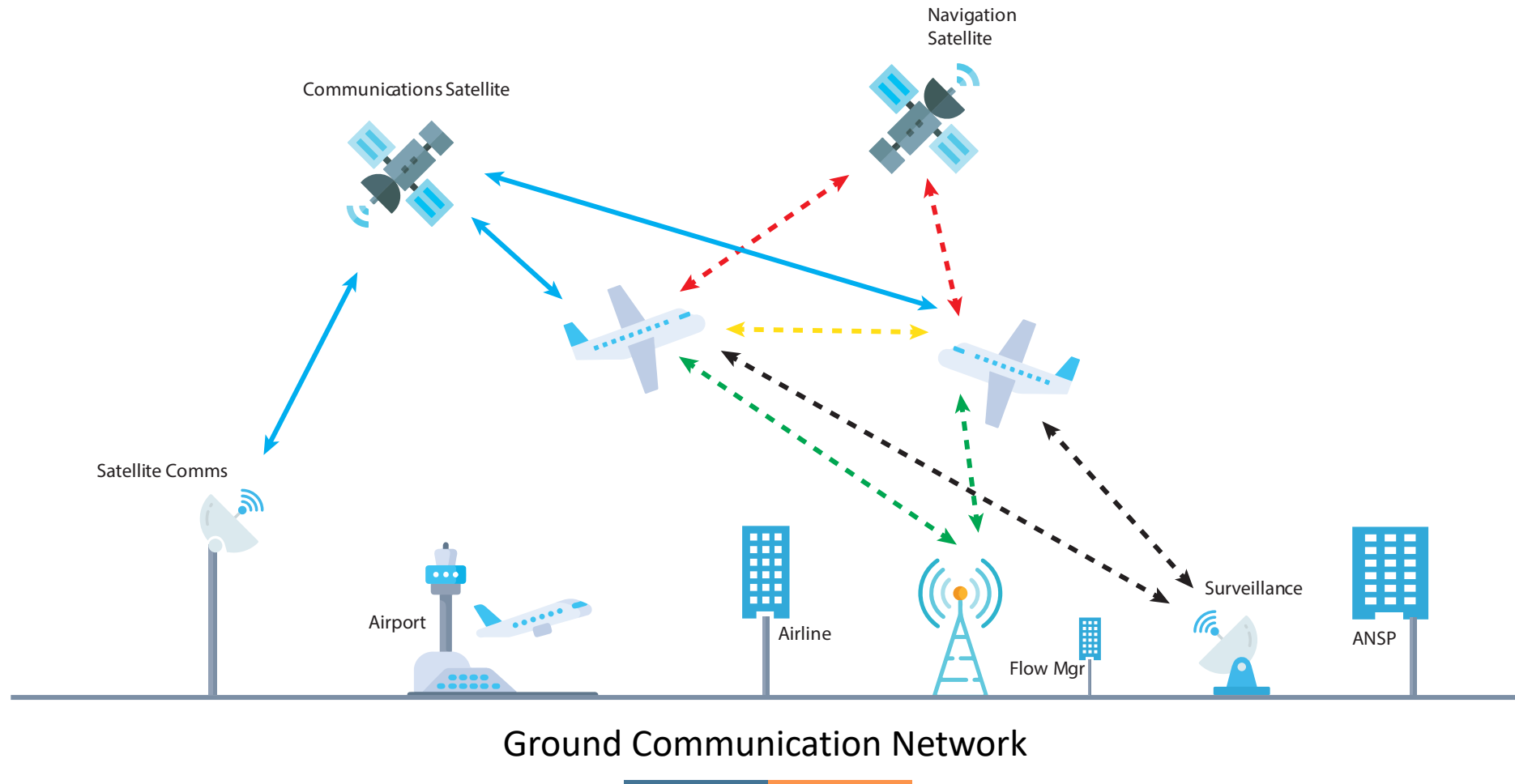


Information is **Textual and Coded**.









Communication is through AFTN (40 Years old Technology), AMHS (20 Years old)





Solution

SWAAIM: Systemwide Advanced Aeronautical Information Management - Highly Secure, Reliable and Scalable Solution.

-  Digitalize the Aeronautical Information(AIXM, iWXXM, FIXM)
-  Interoperability among ATM Systems Local/Regional/Global
-  Gateway support to connect with Legacy Systems (AMHS & AFTN)
-  Advanced message routing functions
-  REST APIs for Integration with 3rd party systems
-  ICAO Standards & SWIM Service Registry



Method of Collaboration



Co-Creation Model with close partnership with AAI under the supervision of GM-CNS



Project committee includes members from ATM, CNS, R & D and IT



Bi-weekly to share feedback and knowledge



Aligned with ICAO SWIM Task Force guidelines

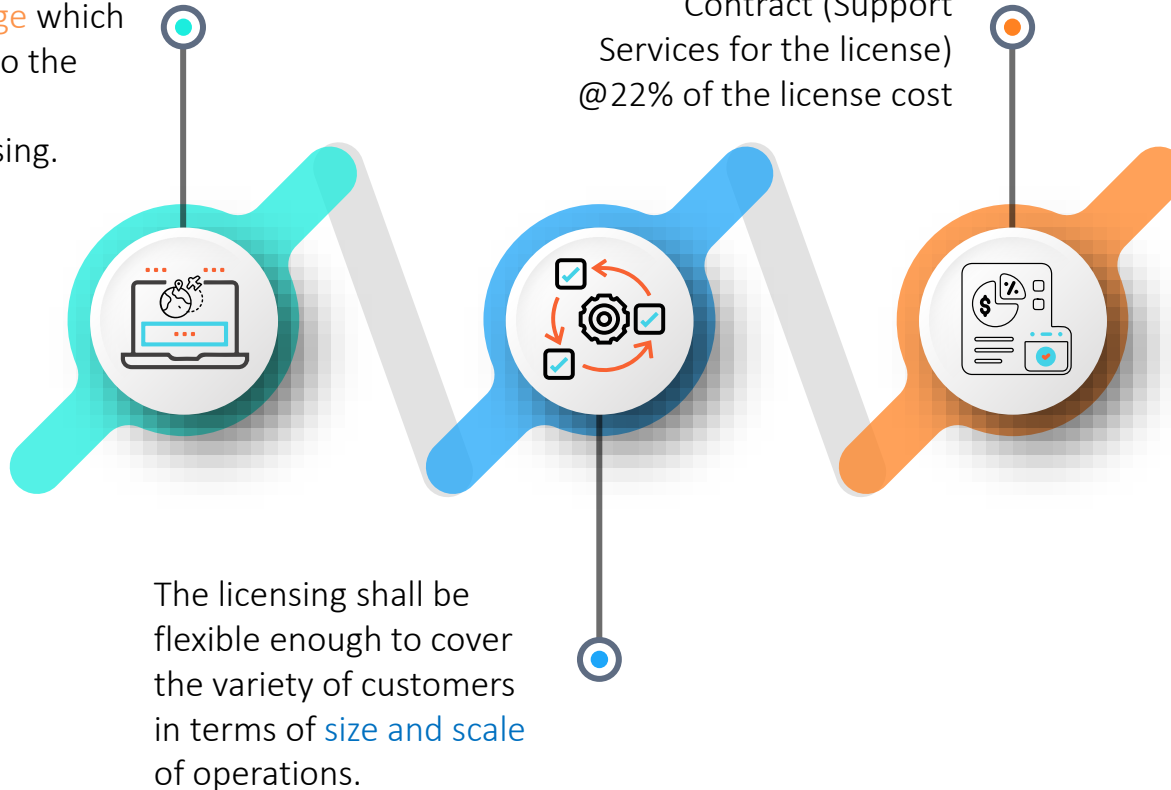


Bi-monthly meetings with Special Focus Groups from Airports Authority of India



Business Model

The solution is a **software package** which will be offered to the clients through perpetual licensing.



□ RTPL revenue model



Competition



There are 4 major industry leaders offering ATM solutions to global market. (Thales, IDS, Indra, A-Tech)



We are the **first and only one** to offer this solution from India.



However, being a winner of Startup India program, the Govt is going to procure the solution through a uniquely designed procurement process which favors Indian startups. An MOA is signed to this effect



Regulatory framework



Our potential customers are Air Navigation Service Provider (ANSP).



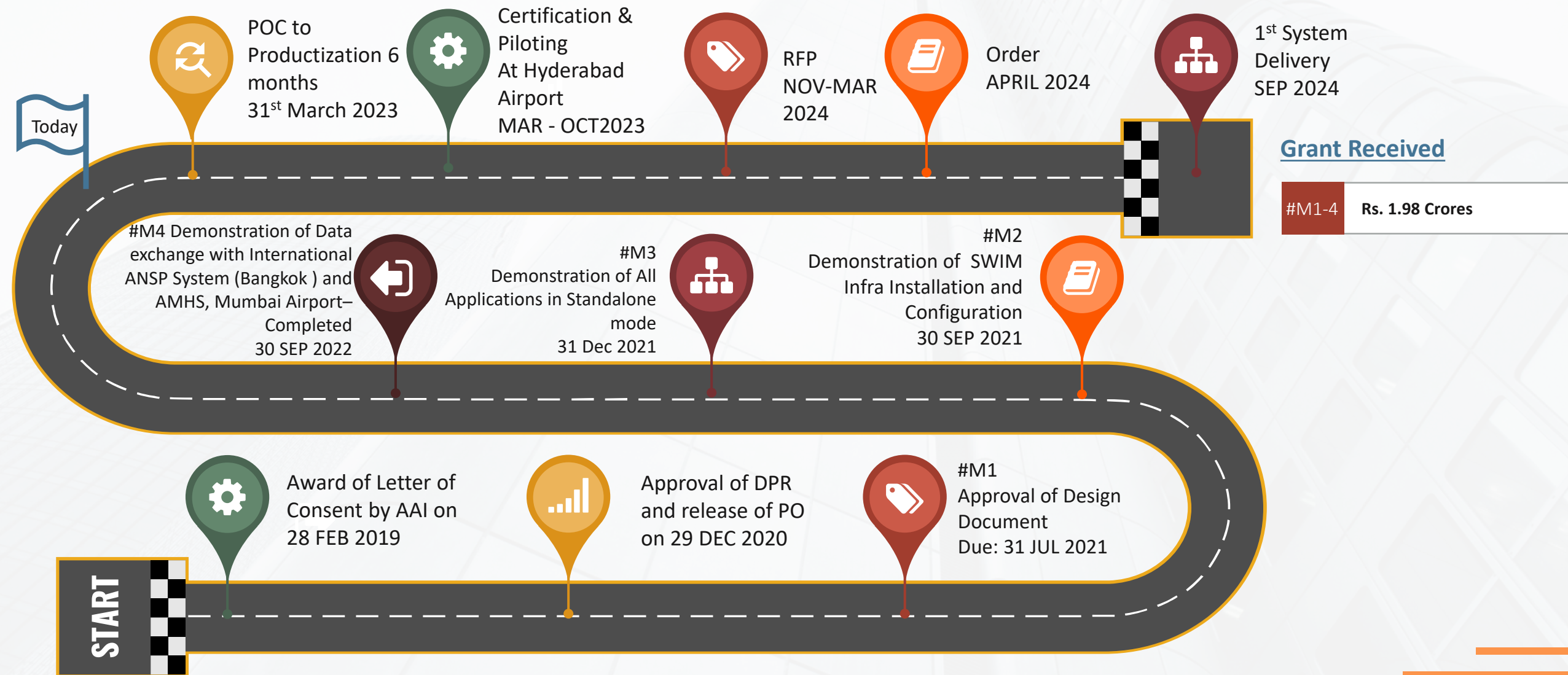
Capitalizing on the Startup India and Make-In India program, we have already worked through the system to open the doors for ourselves to market the solution to Indian Service Provider (Airport authority of India AAI).



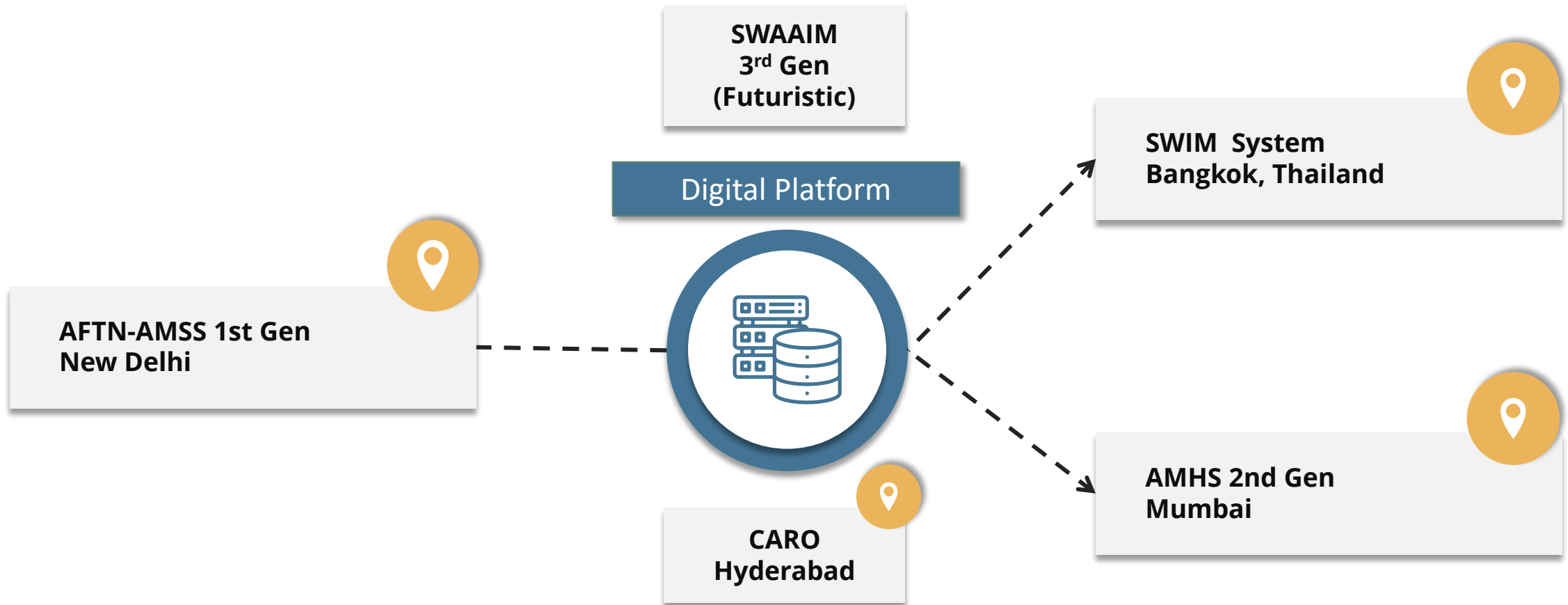
Later, with AAI's reference, we will expand globally by Paying Royalty of 2% on every sale.



Project Timeline



SWAAIM POC at CARO Hyderabad



*Civil Aviation Research Organization (CARO) aimed at finding indigenous solutions to meet the challenges posed by the growing air traffic and for enhancing safety, capacity and efficiency of aircraft operations in India

The Market



1	INDIA	2024-25
2	NEPAL	2025-26
3	THAILAND	2025-26
4	SINGAPORE	2026-27
5	MALDIVES	2026-27
6	SRILANKA	2026-27
7	YEMEN	2027-28
8	BOTSWANA	2027-28
9	PHILIPPIENS	2028-29
10	BANGLADESH	2028-29
11	GHANA	2028-29

- India has @137 civilian airports as on date
- Each airport will have on an average @6-15 users per airport

Future Road Map

SWAAIM

SWIM, AMHS Gateway

Modern communication platform that enables seamless and real time exchange of ATM information among ATM stakeholders such as ANSPs, Airlines, Airports

Digital AIM

Digital Aeronautical Information Management (AIM) that digitalizes Aeronautical Infrastructure and Digital NOTAM information.

Digital Briefing

A pre-flight information bulletin tool that provides visual representation of NOTAM and MET information on Digital Maps for easier information consumption and processing.



FFICE

A strategic flight planning tool that offers collaborative platform for Airline Users and ANSPs to negotiate on the most effective route under given constraints

Future Products

Remote Tower

Remote Tower eliminates the need for having a physical tower infrastructure in every Airport by virtualizing the Tower Infrastructure. (Future Road Map)

Contact us



PSRKV PRASAD, MD



+91 - 9866240409



prasad360@ramphaltech.com



MURALI KRISHNA
SURAMPALLI, CTO



+91 - 9880041498



murali.surampalli@ramphaltech.com



RAVI KIRAN KALIGOTLA,
DIRECTOR SALES



+91 - 8977928263



ravikiran@orpine.com



(A Product of RPTL through AAI start-up Initiative)



www.ramphaltech.com