



# KERNEX MICROSYSTEMS (INDIA) LTD.

(An ISO 9001-2015 Certified Company)

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**Registered Office :**  
"TECHNOPOLIS", Plot Nos : 38-41,  
Hardware Technology Park,  
TSIIC Layout, Raviryal (V),  
Hyderabad - 501 510. Telangana, India.

24<sup>th</sup> February 2024

The Manager Listing Compliances,  
BSE Limited  
PhirozeJeejeebhoy Towers  
Dalal Street,  
Mumbai – 400 001

**BSE Scrip Code: 532686**

The Manager Listing Department  
National Stock Exchange of India Ltd  
Plot No.C/1, G Block,Exchange Plaza  
Bandra – KurlaComplex, Bandra (E)  
Mumbai – 400 051

**NSE Symbol: KERNEX**

Dear Sir/Madam,

**Subject: Intimation on update of Conference**

This is a continuation letter to our letter dated 21<sup>st</sup> February 2024 regarding Investors Conference Meet (Emerging Stars of Deccan - Summit 2024) held Today i.e. 24<sup>th</sup> February 2024.

In accordance with Regulation 30 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations 2015, we would like to inform you that the Company's management participated in the aforementioned investors' meet in Hyderabad. The presentation shared during the meet is enclosed for your reference.

This is for information and records

Thanking you,

Yours Faithfully,

**For Kernex Microsystems (India) Limited**

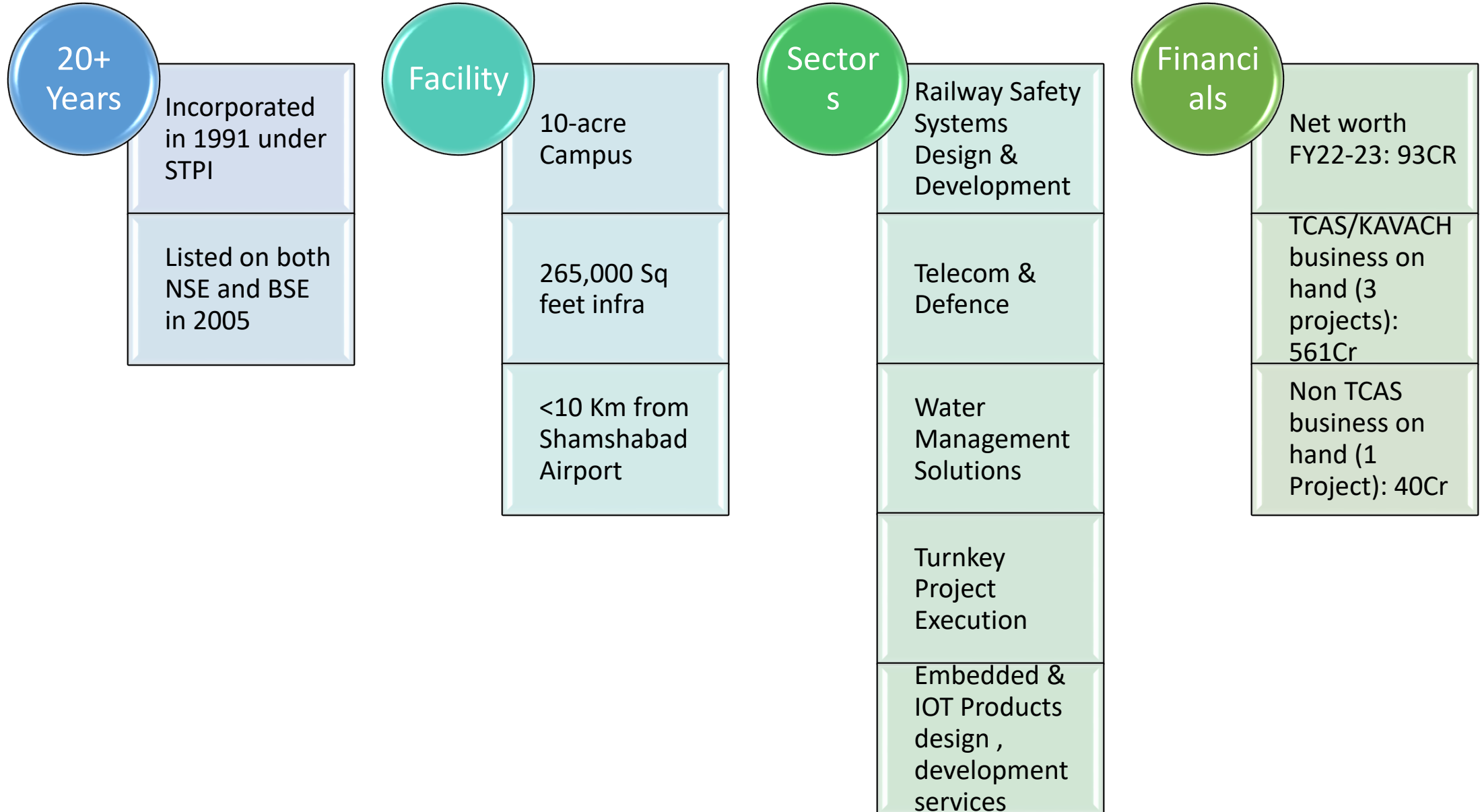
**Prasada Rao K**  
Company Secretary

A yellow and red passenger train is stopped at a station platform. The train consists of a yellow locomotive with a red front and several passenger cars with red and white stripes. The platform has a white roof and a blue sign with the number '3'. The background shows a city skyline under a blue sky with clouds.

# KERNEX

Delivering Railway Safety

# Kernex - Overview





## Manpower

- 300 plus
- R&D, Hardware, Software, Firmware Design & Development
- Engineering, Production, QC & Testing
- Projects Engineering, Execution & Management, Operations & Maintenance



## In-house Laboratories

- Environmental test labs (Burn-in chambers, Thermal Cycling, Vibration, Bumping)
- Dedicated Verification & Validation labs
- Factory Acceptance Testing Units
- Loco Break Interface test lab

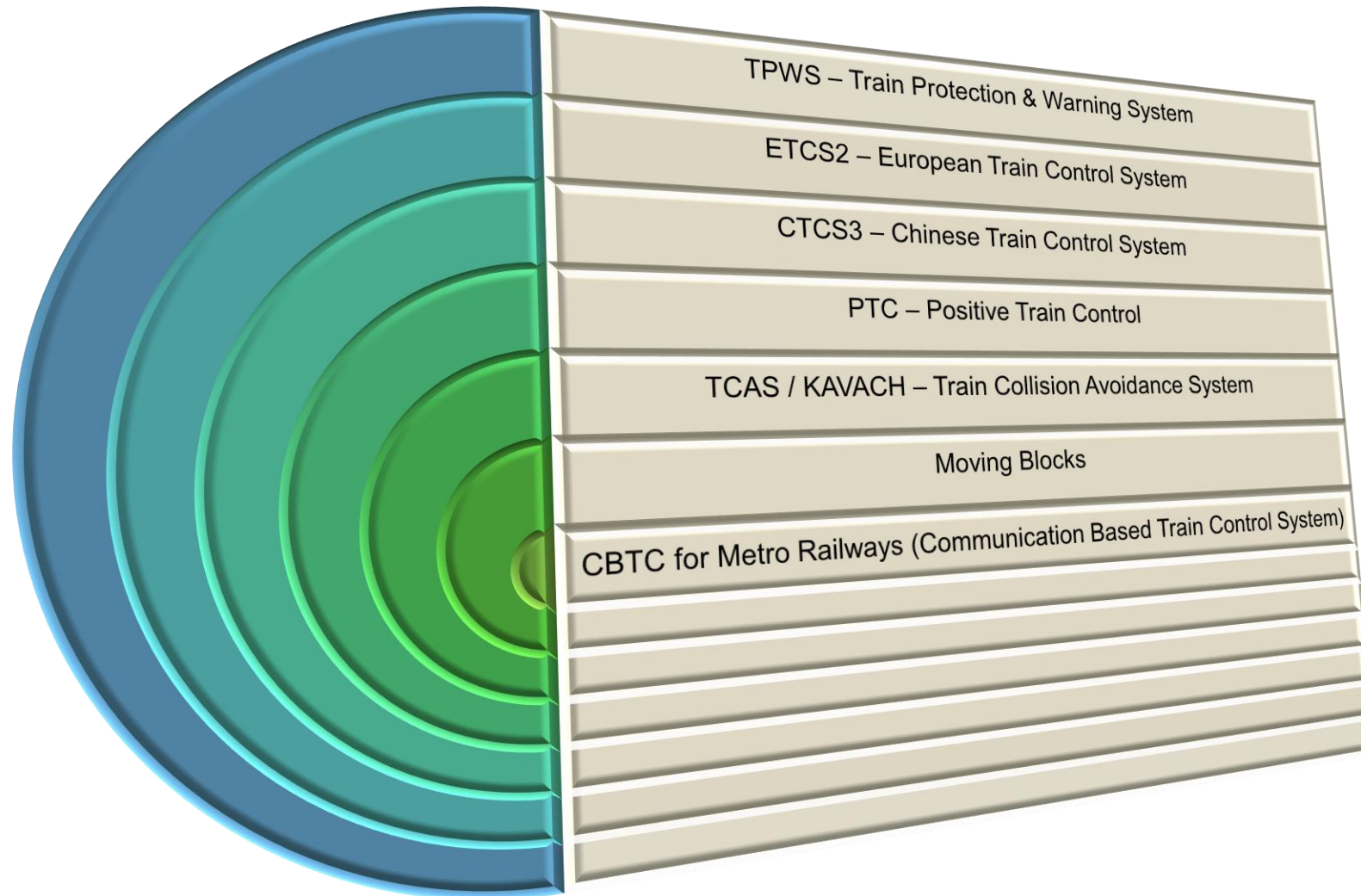


## Production Capacity

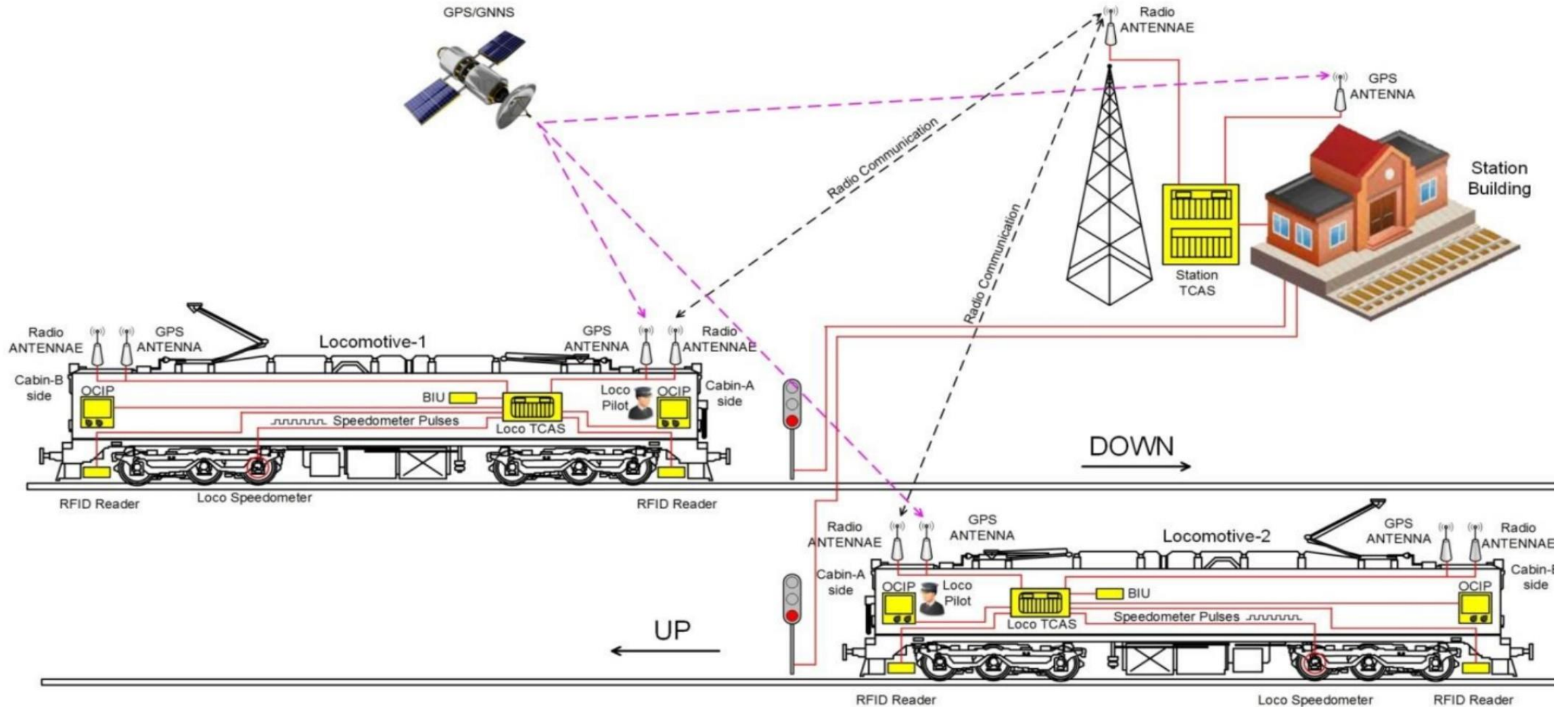
- 100 Kavach Units/Month , can scale up to 250 Units/Month
- 10 Level Crossing Gates/Month, Can scale up to 25 Units/Month



# Railway Safety Solutions



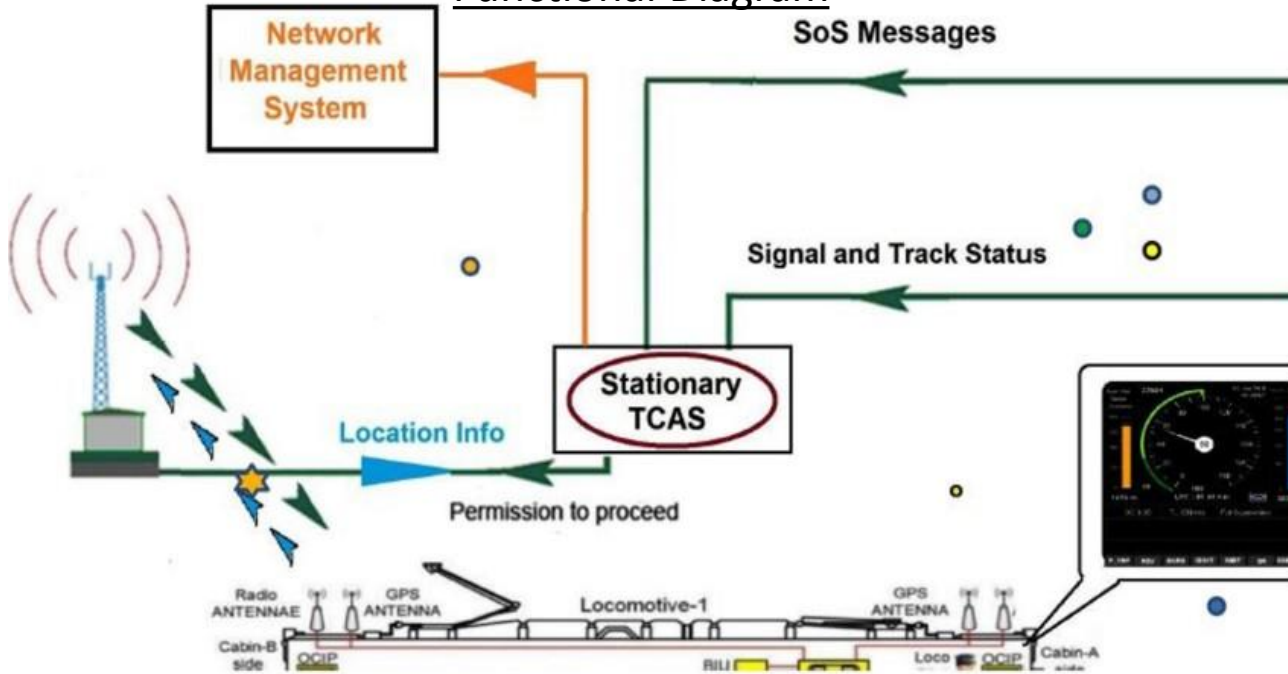
# Kavach : National Train Protection System



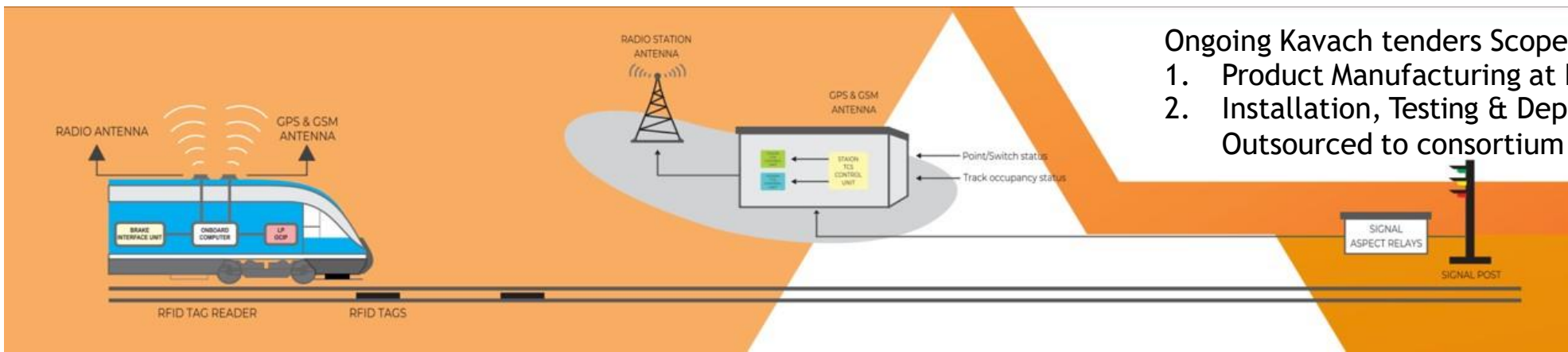
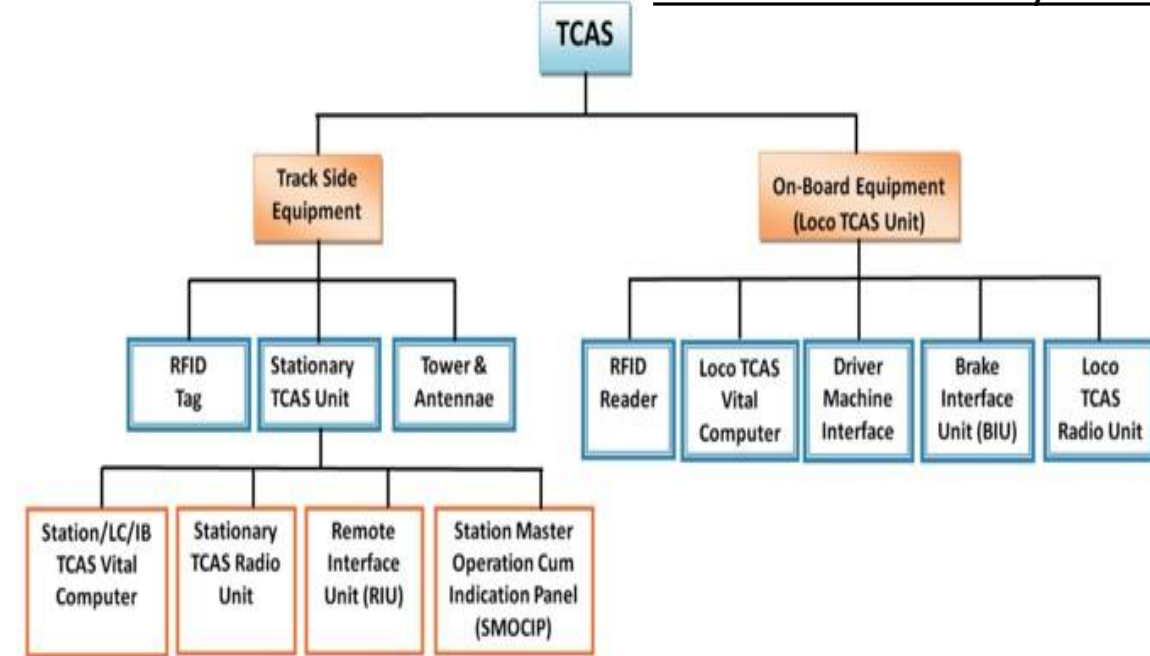
# Kavach: Product & Scope

Kavach is a Product (LTCAS + STCAS + TrackSide Equipment)

Functional Diagram



Flow chart of Sub-Systems



Ongoing Kavach tenders Scope involves:

1. Product Manufacturing at Hyderabad plant (60%)
2. Installation, Testing & Deployment on way side (40%) ; Outsourced to consortium partner M/s KEC International

# What Makes Kavach Special ?

Nervous System for Railways Safe Operations

Indigenous

Designed, Patented and Made in India

Intellectual Property Rights

RDSO of Indian Railways along with 3  
OEMs owns patent for Kavach

Long Journey of 14yrs

From Anti Collision Devices (ACD) to  
Train Collision Avoidance System (TCAS) to  
Kavach

Interoperable

Protocols are designed to make all units of  
Kavach : STCAS, LTCAS , LcTCAS and RIU  
units to be interoperable among each  
other

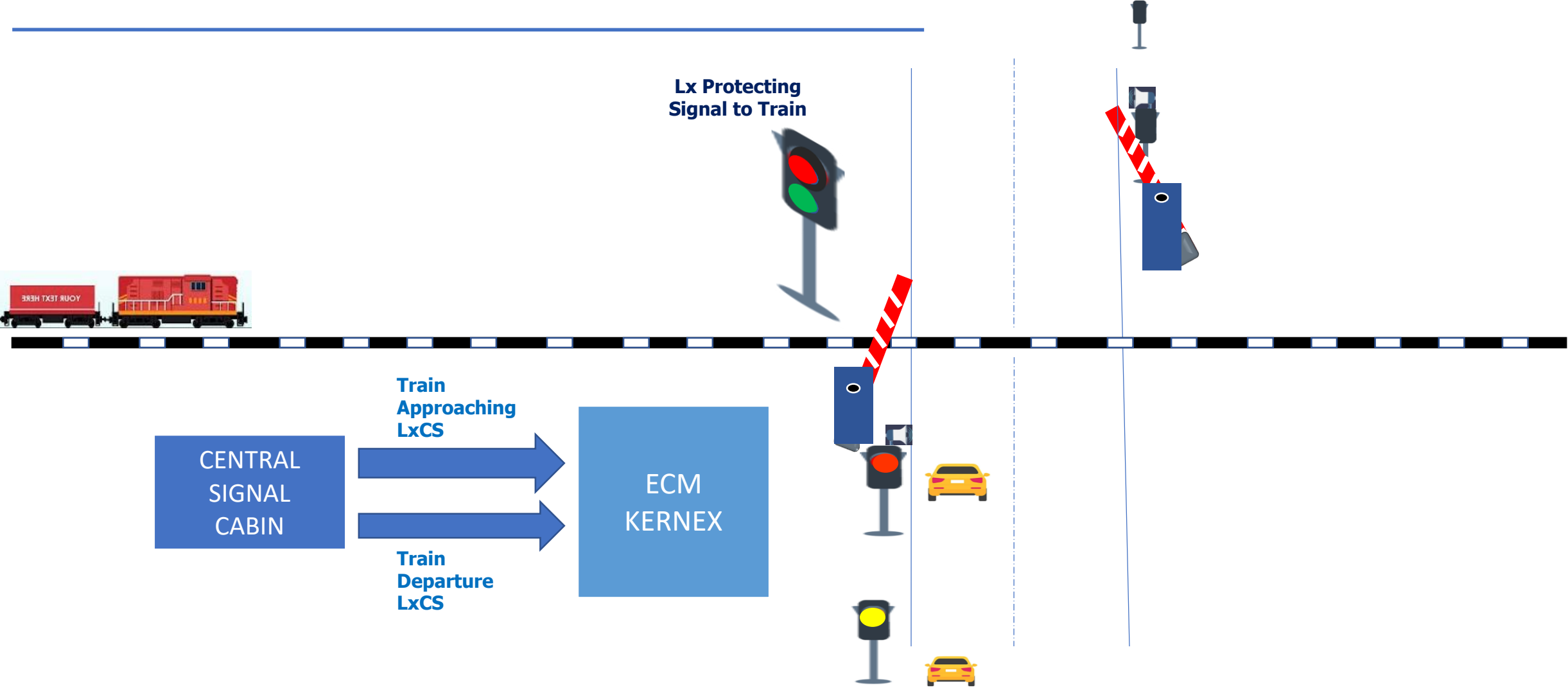
3 OEMs could qualify in last 8 yrs

Kernex, HBL & Medha

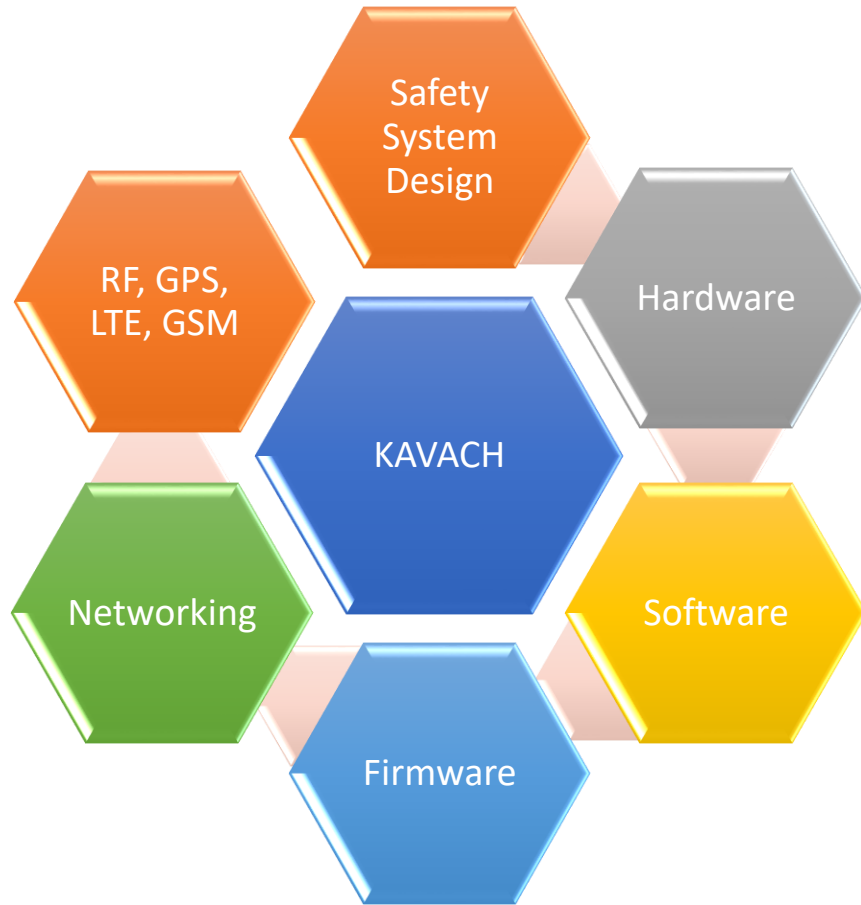




# LxCS: Technologies & Domain Expertise

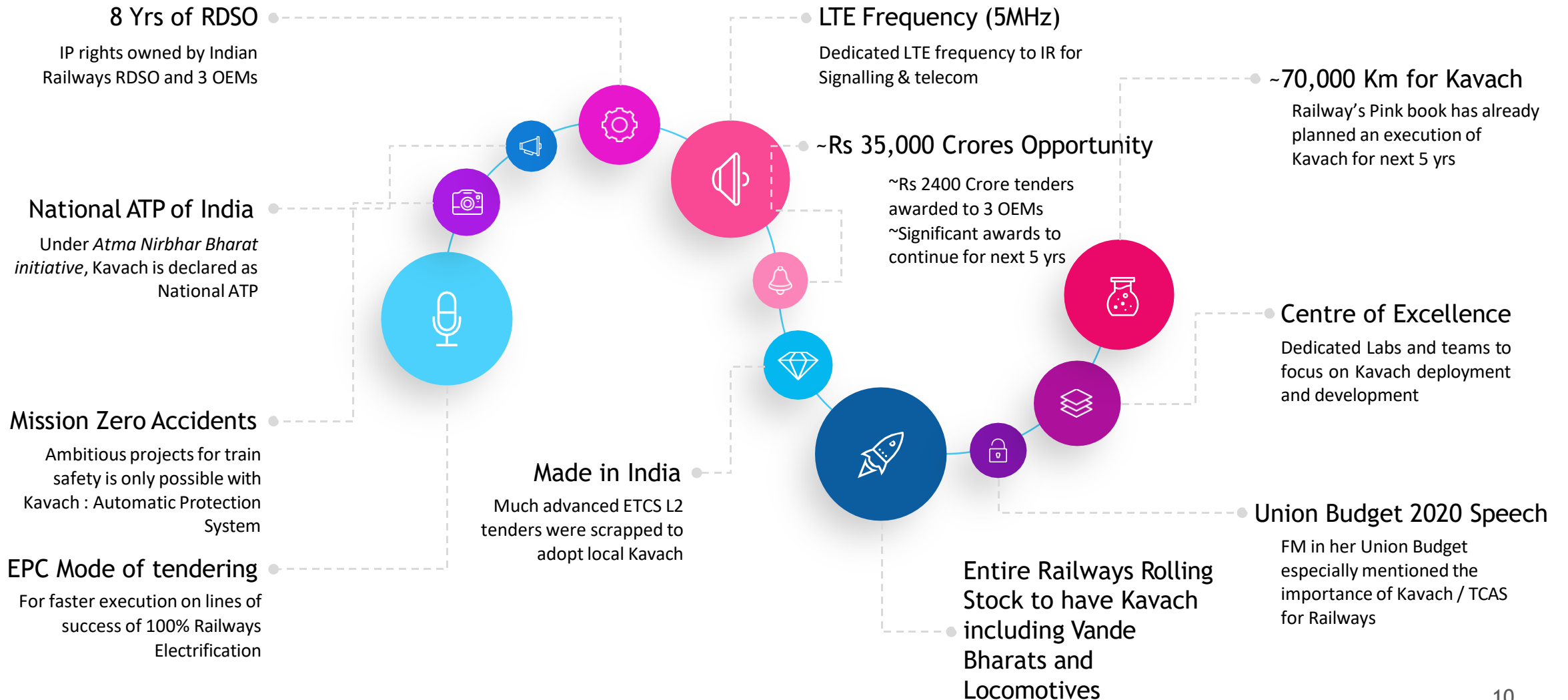


# Kavach: Technologies & Domain Expertise

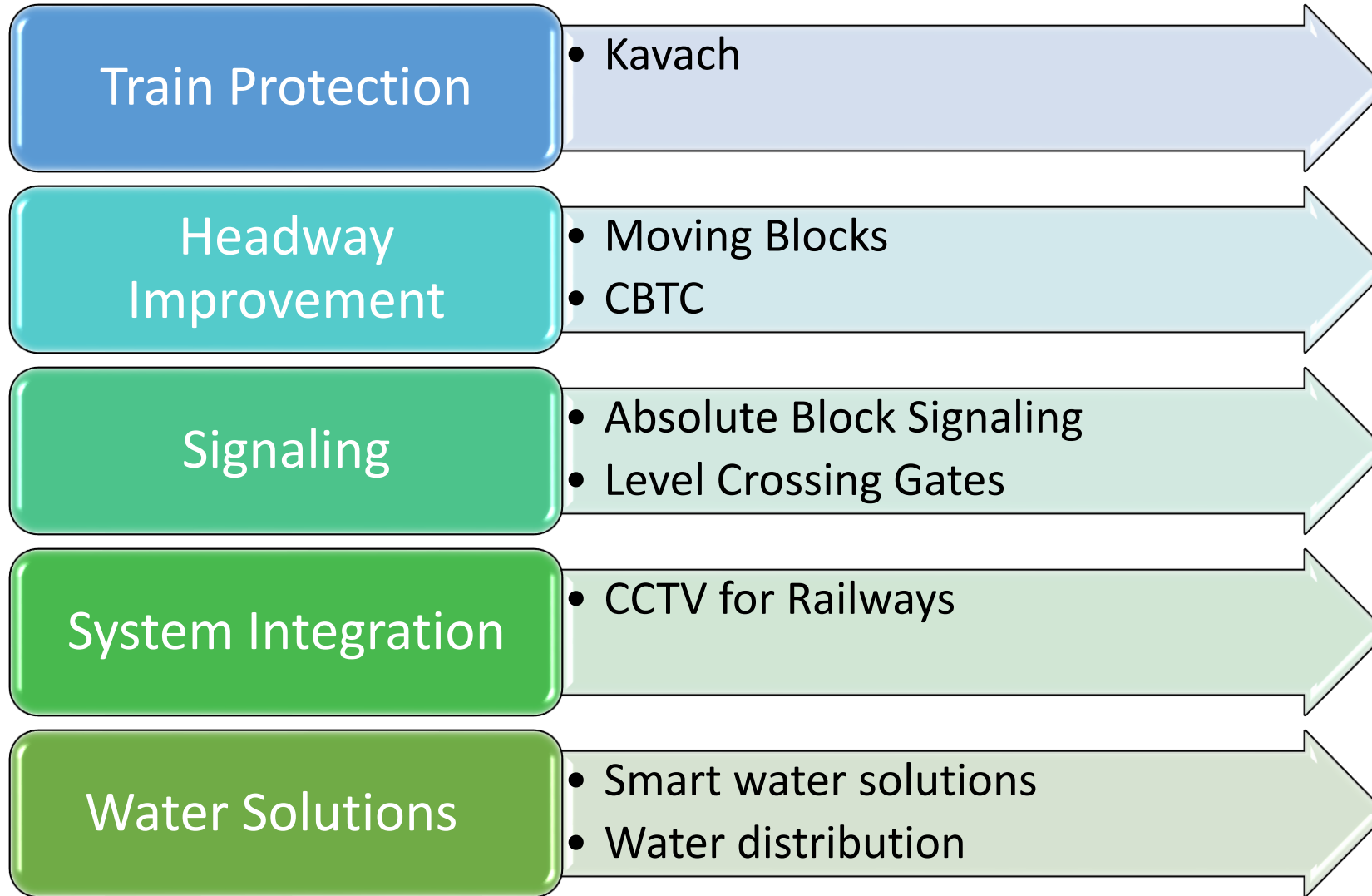


# Kavach : Railways Focus

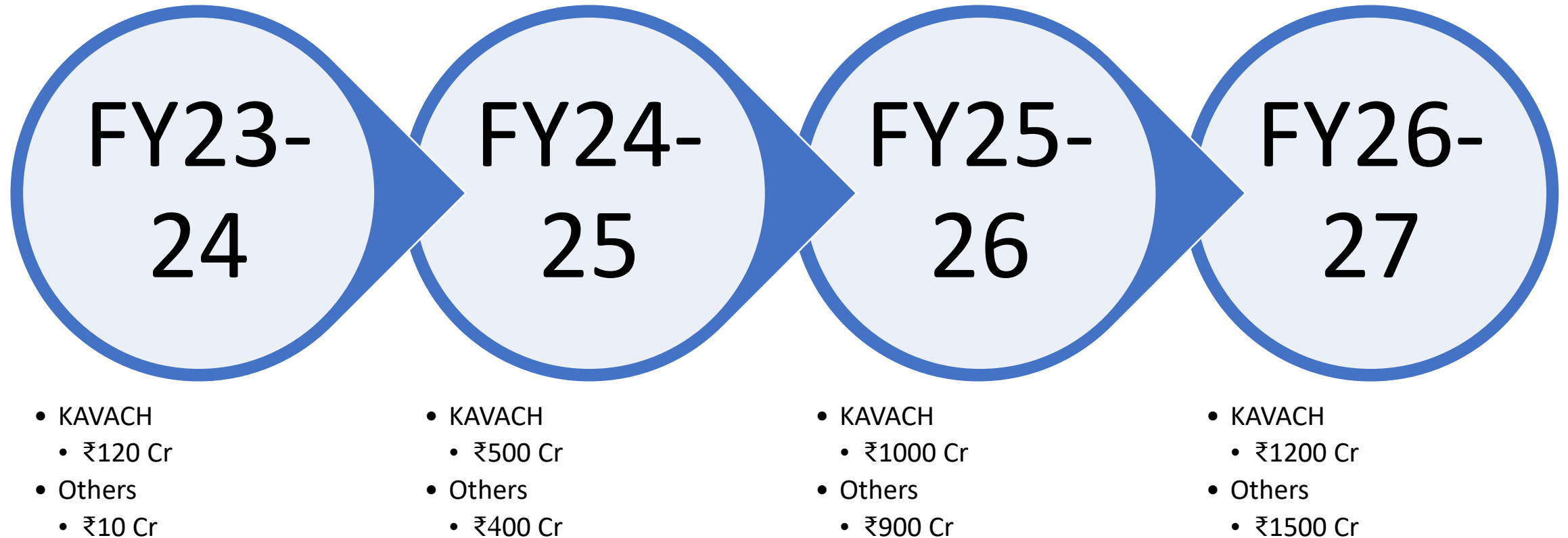
## Connecting the dots : Government is Serious on Kavach



# Our Focus







#1 Projection based on Indian Railways Allocation for KAVACH and the potential Kernex share

#2 Diversification efforts will be translated to revenue in FY24-25

#3 Kernex is one of the 5 OEMs shortlisted by Center Of Excellence (Indian Railways) for Moving Blocks, design and development.

# On Going Projects

## NCR - A

- North Central Railways, Prayagraj Division
- Name of Section: CPYZ (Excl) – CNB (Excl)
- Section Length – 408.750 RKM
- Max Permissible Speed 130 Kmph (Existing)

## NCR - B

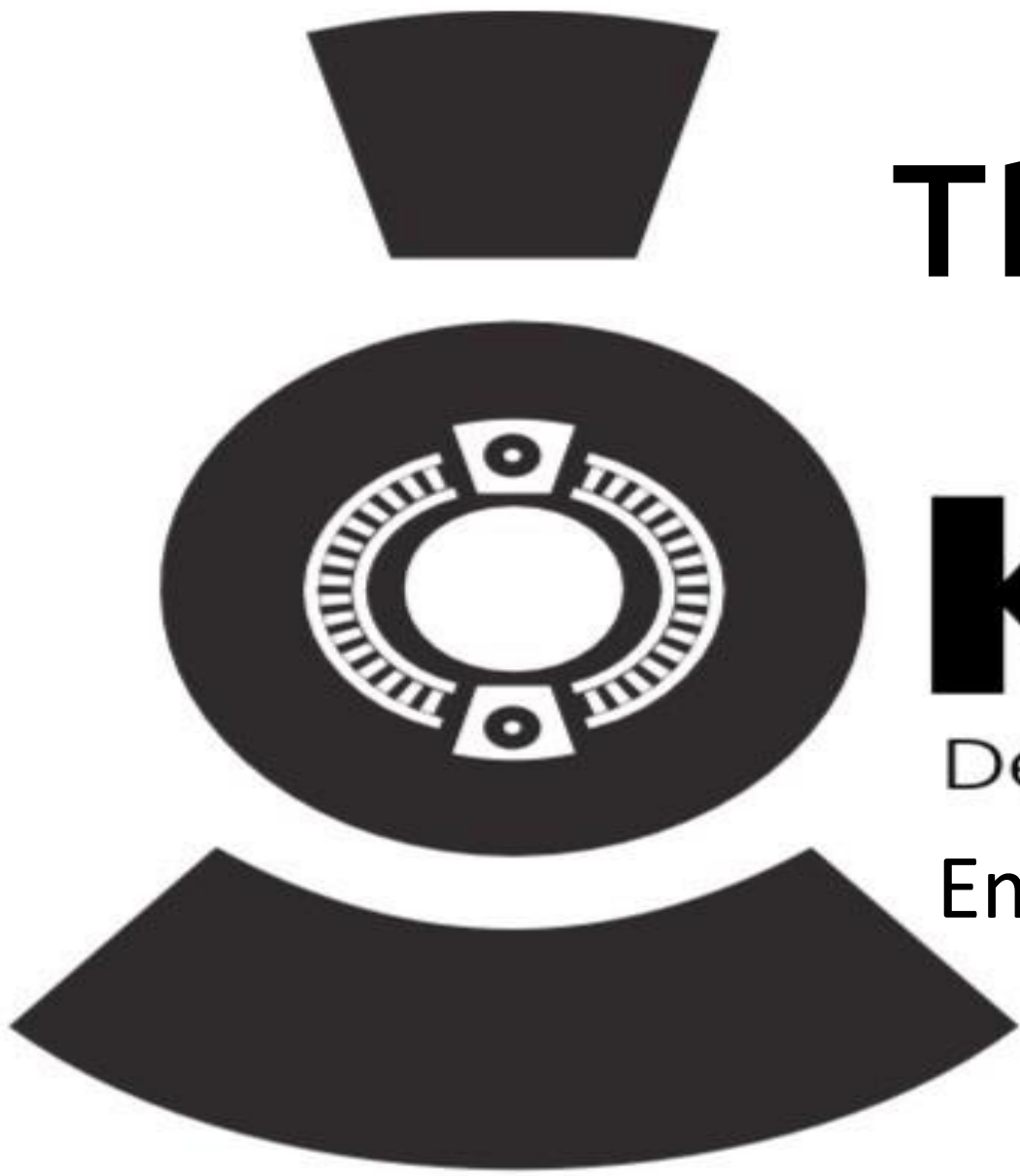
- North Central Railways, Prayagraj Division
- Name of Section: CNB (Incl) – DDU (Excl)
- Section Length – 342.47 RKM
- Max Permissible Speed 130 Kmph (Existing)

## SCR & ICF

- TCAS for Bidar to Parbhani Section – 241 Kms of SCR
- 39 On board Loco Kavach for Vande Bharat trains

## Non Kavach

- ABS Implementation project of SCR
- Route Length 74 Kms



**Thank You,**

**KERNEX**

Delivering Railway Safety

Email: [kernex@kernex.in](mailto:kernex@kernex.in)