



Challenge faced by Urban administrators

An objective process to get right solution



B. Rajaram M.Tech., F.I.E.,FNAE

Inventor Anti Collision/ Skybus Technologies

Former MD Konkan Railway Corporation Ltd.,

DIRECTOR

Atri Knowledge Embedded Infrastructure Lab.Pvt.Ltd.,

Hyderabad 500001 India www.atrilab.com



Dilemma of Urban area administrator

- Responsibility to solve current chaotic transport problem
 - Roads congested with excessive number of road vehicles
 - Low speeds causing pollution and loss of millions of productive man-hours
 - Inability to increase road space
- Being called administrators – force themselves to depend on “experts” or “consultants”



Solution depends on who you choose as your consultant

- The technical/ knowledge world has different categories of persons, like all doctors are not the same- all engineers and consultants are not the same. Specialisation has to be distinguished.
- For example for solving blood circulation problem, in a large hospital, the Doctor experienced as administrator and procurer of required hospital equipment cannot be the right choice – in case you choose, because he has been efficient in his work, what you get is what is contained in the suppliers marketing literature, as advice.



Levels of technical competence

■ Research and creative activity

These are true technical Experts who have competency

■ Design as per standards

■ Execution through

– procurement as per specifications and standards.

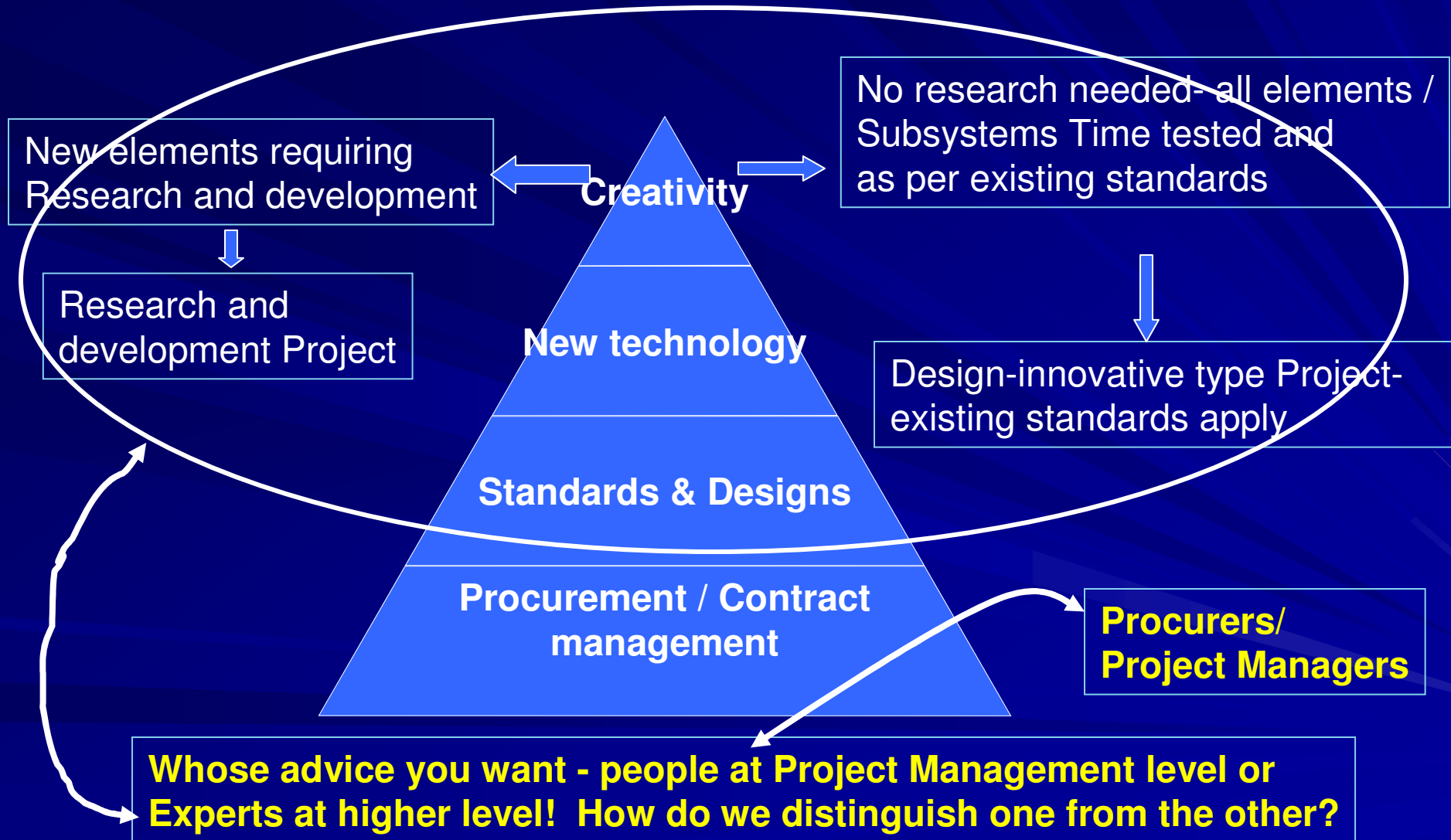
– and contract management

■ Maintenance / operational

These outstanding persons, unless They have proven experience In the areas of research and designs, proven by respectable publications, are UNFIT to advise- because -They can only extol virtues of equipment manufactures' Specifications.



Technology Evolution: understand difference between a research project & an innovative design to standards





Take advice from whom?

- If you take from Procurers and Project managers you get
 - Off the shelf aggressively marketed solution
 - Powerful established lobbies blur your view
- If you take from proven designers and innovators
 - Worried to become a guinea pig in case it is new technology though sounds nice
 - Face also violent opposition from established players in the highly competitive market who do have market strength



Have norms defined to discipline yourself to get the right advice

- Define what you want
- Define the minimum safety requirements to be certified at internationally accepted levels
- Hold the consultants/experts accountable and fix penal provisions for any mis-leading wrong advice
- Choose only those who have proven record of design/technical contributions in their areas
- Check for back ground and **eliminate procurers and project managers or operational executives even if they had worked for government, from your team of advisors- they are least qualified to render advice, because of their knowledge driven by marketing literature of equipment suppliers.**



What do you want, in transport?

- People: Comfortable. Safe travel at reasonably high speed at affordable prices for the city dwellers
- Cargo: City needs cargo supplies- an environment friendly system to eliminate trucks from roads
- Services: Municipal house keeping functions to be handled hygienically and efficiently



For People

- Easy access within one km to be reduced to 500m on the existing roads
- Almost no waiting time(less than 1min) – air condition travel with potential 100kmph speeds
- Affordable as compared to existing modes
- Assurance of safety not only for those who use the system, but also for road users.
- Minimum noise pollution and emissions
- Scalability for next 100 years requirement

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For Cargo

- The system should take care of containerised or bagged cargo and be able to deliver the cities' cargo to different locations.
- If possible can trucks be transported, eliminating them from roads?



City house keeping functions

- Since system follows exactly the roads, it is desirable if automated systems can be operated to clean and wash the roads
- As the city grows one major concern is management of city refuse- if the system can help automate the removal of containerised refuse of the city, a major hygienic concern is addressed.



How to protect public interest?

- Third party international class safety certification to guarantee:
 - At no time the system will endanger the lives of commuters
 - No collateral damage to any road users and properties along the road, because of allowing the system to follow the roads- either elevated or underground
 - Credible disaster management system for safe evacuation of commuters
- Least public/debt support requirement
- Consultants or advisors to be made criminally liable for their recommendations, if found to be against public interest.



Objectivity and clarity

- Administrators with good intentions should demand that :
 - Not a single building, garden, habitat be dislocated by the solution
 - Least or almost no land causing dislocation of previous occupant be required
 - Only existing transport zone in the form of roadways be utilised- and the city be not disfigured
 - Solution should not cause further introduction of new road based vehicles on the system, which already is congested.
- Remedy chosen shall not be worse than the problem
- Administrators cannot abdicate their responsibility to apply mind. Just calling some one as consultant,(not any way accountable for views), then allow wastage of public funds has to be viewed seriously.



As the inventor of Skybus technology of India, I clarify for factual verification:

- Uses only the existing roadways
- No demolition of any building or asset required, almost no land requirement
- Stations at 1km distance possible, without disturbing any local existing assets
- Handles cargo as well as the house keeping functions
- Scalable from light railway loads to heavy metro capacity, seamlessly
- Controls noise pollution
- Has the best disaster management solutions for evacuation
- Only railway system which provides guarantee against derailments and losing control from rail tracks, while providing high speed 100kmph speeds.
- By design and construction the **safest improved railway** in the world using well proven, time tested elements satisfying the prescribed international norms.
- It is a case of Innovative design project , pre-certified because observes existing standards and NOT a research project.
- Valuable experience gained while putting up and testing the Skybus, including handling of a disaster, prove all the points, and post accident safety trials have confirmed the superiority of the technology while being simple.
- Actual costs of construction establish that at half the capital cost of current solution, the system provides double the level of performance, compared to conventional metro rail.



Safety & Funding

- Skybus technology is Pre-certified as each and every element and sub-assembly as well as a system satisfies the same safety codal provisions.
- TuV Rheinland Germany , the premier undisputed leaders in the world for safety certification, are associated to assure.
- Without Government funds nor guarantees for debt, private funds will put up the superior Skybus Metro rail- in a short period of hardly 3 years for a 20 to 30 km network.
- Malaysian technology partners are already funding the SMART Hyderabad fully, Skybus Accentuated Metro Rail of 20km length.
- The technology belongs to India- I as inventor assigned the rights to President of India, through Konkan Railway Corporation- so as State authorities you have comfort of trusting another Public Sector Undertaking for delivering the Skybus Metro to you. The royalty benefits go to people of our country.
- The State chooses private BOT operator, and Konkan Railway and associates will provide the technology back up and see that the project is delivered.



Way Forward

- Choose your consultants who are truly knowledgeable, avoiding procurement specialists and maintenance technicians, who may have vested interests or limited by experience.
- Do not specify technology- but emphasise your requirements. Demand high speed, mass transit system, scalable for all future, please.
- Specify your requirements for the city to serve not only people but provide capability to handle cargo as well as house keeping functions
- Ban any dismantling of existing buildings and destroying gardens in city
- Demand that the system shall be safe as not to derail nor escape tracks to endanger the safety of the public on the roads – but fix penalties and criminal liability for failing to meet your requirement, as promised.
- Promise no Government funding in the name of viability gap funding nor offer any guarantees for raising debt- at the most offer tax concessions.
- Provide the Legal frame work through Tramway Act and a safety commissioner, who will verify the international certification papers at the time of commissioning and issue Formal Safety Certificate.
- You can provide affordable air condition travel to all without struggling with details of technology choices nor funding problems, within your own time.

Thank you !