

FLY CARS PROJECT

(Traffic Jam Buster & Power Generation)

Traffic Jam is a common problem in almost all the Cities in the World.

FLY CARS Project will be one of the answers for Traffic Jams. With this Project, Fossil Fuels (Petrol, Diesel, etc) consumption will be drastically minimized. A lot of time will be saved for commuters. In Cities like Chennai, Bangalore the Metro Railway System is doing very good service in catering the Public Transport.

Escalators, Elevators, Vertical Passenger Lifts, etc are in the service of Public to take them up, high places like Metro Railway Stations, different floors of the Buildings.

Need:- From Metro Railway Stations to their Colonies, places of Residence/Business, people has to walk for 2 to 3 kms. or depend on other means of transportation like 2-wheelers, 3-wheelers, Buses, etc. It is creating Traffic Jams and heavy consumption of Fossil Fuels (Petrol, Diesel, etc).

To take the public from Metro Railway Station to their Colonies, the FLY CAR Project is designed.

In this system, the Tower Crane Mast and Jib is used. Vertical Lifts are used for taking the load up and transfer to Tower Crane Jib. Roller Coaster Technology is used for horizontal to & fro movement of 20 seater (1.5 Ton weight) Crucible.

I had approached a few investors with this project for investment through the following link:

www.investmentnetwork.in.

They want to know exactly what will be the cost of the project.

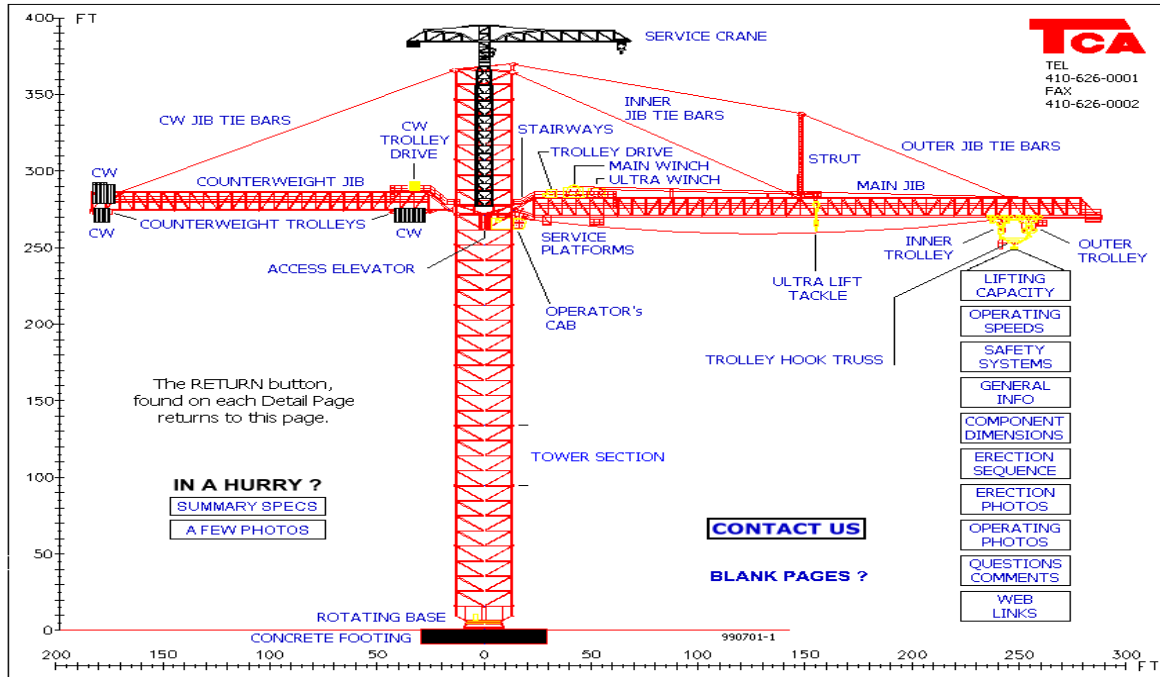
Specifications:

1. Tower Cranes – Jib Length should be 100 Meters or more. Tip load bearing capacity up to 5 Tons is sufficient. There is no need for Load Lifting Mechanism, Horizontal movement Mechanism. Only Tower Mast and Jib with rotation mechanism are required. Aluminum Railings will be laid on the Jib and trolleys with a load 2 to 3 Tons will be moved 'to and fro'. The movement of Load will be through Chain Links.
2. Vertical Movement of Loads – Usage of Vertical Lifts. Passenger Lifts for 20 people is required.
3. Roller Coaster – Usage of Roller Coaster Technology for Horizontal movement of Passenger-filled Crucibles.

// **INFORMATION ABOUT TOWER CRANE** //

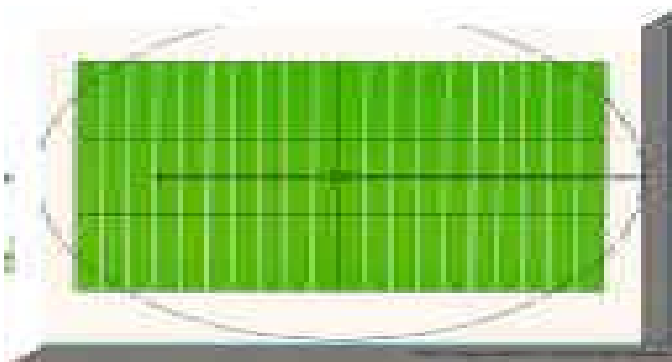
Please follow Link:

http://www.towercrane.com/tower_cranes_Detail_Select.htm



K-10000 tower crane GENERAL INFORMATION

SIX REGULATION FOOTBALL



A Football Field is 300 ft. x 160 ft. = 48,000 sq ft.
6 football fields = 6.5 acres
The K-1000-L covers = 7.5 acres with over 100 ton capacity.

Please follow the link for Rope way / cable car products:

<http://www.doppelmayr.com/en/doppelmayr-international/products/bicable-and-tricable-ropeways.html?country=all>



<http://www.crspl.com/urbancommutation.html>



CRUCIBLE WITH 20 PASSENGERS, WHICH WILL ROLL ON ALUMINIUM RAILINGS ON JIB.

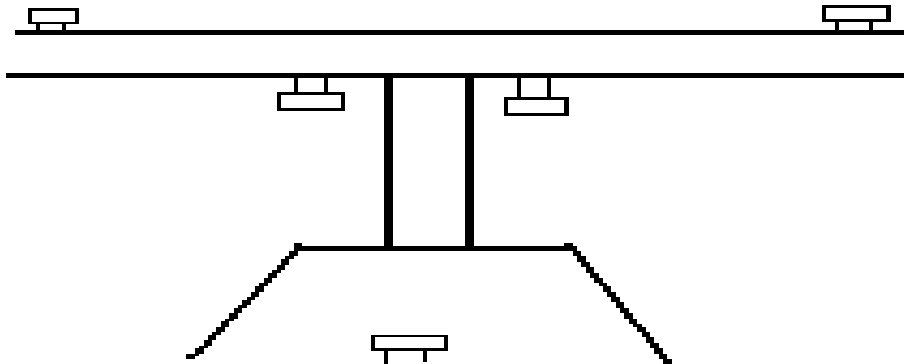
Work to be done:-

1. Get C A D D Design, Picturization of the project.
2. Approach to Tower Crane Manufacturer for getting technical details/viability.
3. Then we can approach the local authorities for permission and for execution of the Project under BOT.

With little modifications in Tower Crane Design and **integration** with latest technologies available with Elevators, Roller Coasters, we can use them in Public Transportation. With this project we can expect unlimited demand for all these products all over the world

We can take the necessary help and guidance from the experts, if needed:

1. <http://www.elevatorindia.com/> --Mr. Parmar, Mumbai, Ph: 0-9322337066 – Vertical Transportation Expert.
2. <http://www.innovativeengineersonline.com/> --Mr. Praveen, New Delhi, Ph:-0-9868532450 DESIGNER – ROLLER COASTER



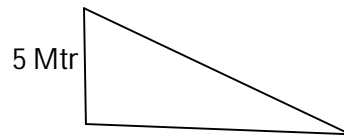
Horizontal Movement Inward/Outward Movement of 'Shell's On the Tower Crane Jib
TECHNICAL OPERATION:

The work of a Tower Crane is decentralized. The works of Jib is only rotation and movement of crucibles horizontally and transfer the crucibles to other jib. For this, select four or five buildings having third or fourth floor, in the Central Bus stand area of Tirupati around the jib radius. Area required for two parallel lifts and top floor can be owned, hire or take on lease rent for longer period like 10 to 30 years. Passengers board the crucible in the ground floor, the crucible lifted to top floor through lift and wait for its turn to pick up by tower crane jib. The jib picks up the crucible moves it horizontally to its end the transfers to other jib. The crucible continues its movement and reaches other end of the jib and again transfers to third jib. This process continues till the crucible reaches its destination.

At certain points where public movement is heavy, i.e., continuous, 'n' number of (20-passenger filled crucibles carrying) trolleys with weight 1 Ton each will slide from Tower Crane Mast height 65ft to other end of the jib with 85 meters distance at 60 ft height.

Calculation of Power Generation:

80 Meter Diagonal
5 Meter Height



What is the energy/power required to lift 1 Ton weight to 5 Meters.

What is the Energy/Power Generated when 1 Ton Weight slides to 80 Meters Distance diagonally?

Brief Description of the Idea: -

PASSENGER is the KING

For example:-

There is a Corporate School situated in the City. It is imparting education from Play Class to X Class. Student strength is around 750. The School is working in a four floors building lavishly constructed & equipped. It has 10 School Buses, daily transporting the students from their Homes and School safely and comfortably.

By 09.00 a.m. Students are pouring-in. Buses picked-up the students from 15 km (last stop), reaching the school. Say, out of 750 Students Strength; 250 are residing around school area, and reaching school by walk, on two wheelers with their parents, Share-Autos, RTC Buses, etc. The remaining 500 students are using School Bus Service.

Evening 04.00 p.m. the same procedure will repeat, students reach their homes using different modes of transportation. All of them are using Roads, patiently crossing the traffic jams, using fossil fuel (petrol/diesel) consumption for their vehicles, etc.

Instead, if FLY CARS Project available, a lot of time for all them will be saved, traffic jam can be averted, and fuel can be saved to a large extent.

Presently, the students are reaching the school, by roads, reaching their class rooms in different floors, using stair-case/lifts.

In the FLY CARS Project, the top floor of the building will be used as boarding place for transportation, and hence there is no need to use roads, in the congested locality of the school. They will be moved out the School area and get down where ever necessary at far places, that too on the top floor complexes, come down to reach their Homes. In this case, the Bus Stations can be located in the outer areas from where they can move out, and thus traffic jam can be avoided, fuel can be saved.

OPERATION:-

--PATENT APPLIED --

Vijaya is housewife. Her husband Ramesh is a Bank Officer. Recently, he transferred to Tirupati Branch at K. T. Road. He took a flat in M R Palle area near his relations' house and arranged furniture, etc for family set up. Vijaya reached Tirupati yesterday late night along with her husband from her native, Bangalore City. Morning by 09.00 a.m. Ramesh get ready and went to his work. Vijaya relaxed for a while after her kitchen & cleaning work. Now she wants to bring some fresh vegetables from the market.

She opened her laptop, and clicked for Tirupati Guide. She opted for Route Map from M R Palle to Market by FLY CARS. All the details like, FLY CARS tickets available spots, journey time, etc displayed. She read every detail carefully and took a printout, get ready, locked the house and came out of her Flat. She reached the FLY CAR Tickets Spot, which is at walkable distance. She took the ticket by paying the money.

Crucible No.5 was allotted to her and boarding time is 15 minutes more. She looked around the complex area; it is having a number of shops. She purchased a magazine and relaxed in her seat in the Crucible. There are 10 to 15 other passengers already sitting. When the time is over, countdown

started and the route map is displayed on the screen. She is observing the operation curiously. The Crucible doors closed and it started moving upwards slowly and picked up speed. It reached height and started moving horizontally, the Crucible crossed five tower crane jibs and ultimately reached on the top of a building near the market and slide down to ground and stopped. The doors opened. She came out and went on her work in the market. This entire operation ended in a few minutes.

The entire operation is using very limited power. Power is used to lift the first crucible only. Then the next crucible can be lifted with the help of Gravitational force. Needed weights are used whenever necessary. Time can be synchronized with software. The weights (passengers) entering into Crucibles can be controlled and diverted at the Ticket counter itself.

M. R. PALLE → ANNAMAYYA CIRCL E → R C ROAD GATE → GANDHI ROAD JUNCTION → MARKET

FLY CAR - REVENUE CALCULATIONS

Tower Crane & Other Equipment Cost Rs.10 Cr = 10,00,00,000/-

Life for 8 years = 8 x 365 days = 2920 days.

Working Hours @ 10 Hours per day = 2920 * 10 = 29,200 Hours

(say) One crucible can transport 20 passengers.

Ticket Rs.10/- per head then, Rs.10/- x 20 passengers = Rs.200/- per trip.

@ 4 crucibles it can dispense at a time, (say, 10 minutes per dispense)

per hour = 4 x (60 minutes / 10) = 24 dispenses

per day for 10 Hours = 240 dispenses

Number of passengers per day = 240 x 20 = 4,800 nos

Revenue per day = Rs.10/- per ticket x 4,800 passengers = Rs.48,000/-

Revenue for 8 years = Rs.14 Crs.

(=2920 days x Rs.48,000/- per day = Rs.14,01,60,000/-)

Fixed investment is Rs.10 Cr. and Revenue is Rs.14 Cr. in 8 years

Notes: - Working Hours taken 10 Hours only per day. But transportation can be under taken

from morning 6.00 a.m. tonight 09.00 p.m. = 15 hours. As occupancy rate will be less in

Slack period hence the actual working hours taken for calculation is 10 Hours per day.

A Great Saying:- Half knowledge is dangerous.

Analysis of "energy" required for movements of Crucibles.

In a train, the compartments are pulled by the Engine. A compartment is having the capacity of 100 plus passengers, amenities, lighting, breaking system, etc. resulting in tare weight of 18 Tons or more and it is moving on the rails on the ground. So it requires more energy to move the Compartment.

Whereas, the Crucible can hold only 20 passengers, light weighted structures and seats, and moving on rails at a height of 100 ft on Tower Crane Jib resulting in less Gravitational Pull by earth. Its movement requires comparatively very less "Energy". The energy required to take the crucibles to 100 ft height can be totally minimized by using Gravitational Force through double Lift technology. Power is used to lift the first crucible only, and then the second crucible can be lifted with the help of Gravitational Force. Time can be synchronized with software. When weight is less at top than bottom, some additional mechanical loads can be added wherever necessary.

Case study 2:- Let us take FLY CARS daily starting their operation in the morning at 08.00 a.m. Tickets will be issued from 07.30 a.m. Passengers are pouring-in and occupying the seats in crucibles. The filled in crucibles destined to different locations like 1, 2, 3, 4, are placed in racks with the help of Scissors Lifts and Hydraulic Jacks and waiting for pick-up by Tower Crane Jib Cage.

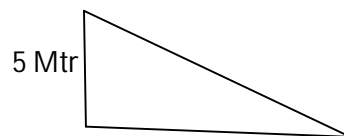
For some locations, the destiny reached crucibles can be transported by Matador Trolleys to Passenger Colonies.

POWER GENERATION:-

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Case Study:- Say Metro Railway Station is at 60 ft height.
At that Height fit two hydraulic Jacks which can lift JIB for (say) 5 meters height, that is up to 65 ft height to give 45 degree slant to the jib for 80 Meters length. When load filled Trolleys move on that slant Rails, we can generate power by connecting load.

Like that, when load is from Railway Station, the jib end will go down 5 meters, through jacks.

How to return trolleys to mast/loading place?

Trolley front wheel height 1ft, back wheel height ½ ft. These trolleys bring the load and then return to mast by linking to returning chain by hook.

Mechanical Loads transfer in Vertical Lifts, whenever needed.

When a person buys a ticket his weight is added to the total load. When there is needed weight available at top, the Lifts will move up and down automatically, when allowed, i.e., without using power. For this we can use CLUTH system for connecting / disconnecting the load to the Motor for lifting. We arrange Mechanical loads below the two lifts. They will pick up the needed weights.

