

| Introduction

n 2020, the Olympic will be held in Tokyo. We must equip var-▲ ious institution and infrastructure. In current scheme, we will have 36 stadiums in Tokyo Metropolitan area for Olympic game, and 13 stadium of them are already we have. They aim at compact and sustainable Olympic for mature society.



And almost all new-con- 3-1 | Proposal - Walkalizing City structed stadiums are planned in bay area, and most of these are temporary.

But these stadiums have pos- $\frac{1}{1}$ sibility revitalize community reuse those institution positively.

2-1 | Situation in Japan 1 - A consensus of scheme

T okyo Olympic 2020' s main stadium is very controvasial. In those argument, a point is not architectural design, the important things are used. goverment premise 80,000 seating capacity, and design competision process was blackbox.

These argument reveals Japanease Top-Down administration problems. Our society must learn Bottom-Up citizen consensus.

2-2 | Situation in Japan 2 - Ageing Popuration

apan is one of most ageing society in the world. In 2035, 33.4% J of japanease are 65 years old and over. We must rethink our society and propose health and welfare-oriented urbanism.



Chronological conversion



C o we propose "*Walkalizing City*". This city will be ageing with > people, and transform suit to them. With the end of Olympic games, this city will transform to health

and welfare-oriented city that is handicapped and old people friend-

and society. we must aim to 3-2 | Propasal - Cloud data based construction & transforming The construction & transforming are cloud data based that plat-4 | LRT rayout in our scheme form is BIM. The city has cloud server which can use Designer, 5 LRT rayout in our scheme walk.Walking yourself have variconstructor, administrator, and inhabitants. When the city construct, ous good effects for health. LRT a design schemes upload server. And Inhabitants check and comoverhead-pathes are also used ment that is necessary or not. This clearness of the scheme, ensure a - LRT ro walking course and athletic park. consensus. And when the city transform, these information will be The last is environmental func--Athletic Path 1/15 slo tion. Near the stadium, LRT rail is Fig. 6 | LRT & Athletic slope. in the glass tube. When LRT passes -LRT rail t I. LRT is incoming in the tube, inside air is pushed . Air insede tube and emissonned. So air pressure in **(P5()*** Result P3 🖓 🗝 (⁽) P2 Que ¢. is pushed and the tube become low, and outside air is intaken. This is natural ventilation system that LRT used. Consortium that composed of citizens, specialists and users





4 | Scheme - LRT = Traffic & Athletic & Ventilation

First is traffic function. While the Olympic games are held, the Shin-kiba Sta. will very crowed. We propose LRT as a new trans- based. Ticket, money, map, information, etc will provide through it. portation. This is Olympic main transportation. After the Olympic And also handicapped people are guided by it. games have finished, LRT used as community transportation.

Second is healthy function. This city encourage people to



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teglation of Architecture and civil engeneering.



Fig. 12 | *Studying capacity based volume by using Rhinocerous* + *Grasshopper*