



EVERYDAY ITEMS EVOLVED FROM BEING RE-USABLE TO DISPOSABLE. A DISPOSABLE CULTURE DEVELOPED ALL AROUND THE WORLD. TECHNOLOGY ADVANCES BRINGS RAPID CHANGE TO THESE EVERYDAY ITEMS.

ARCHITECTURE DID NOT EVOLVE THE SAME WAY AND CAN NOT ADAPT TO TECHNOLOGICAL ADVANCES IN THE SAME WAY AS ABOVE MENTIONED EVERYDAY ITEMS.

THIS DISSERTATION EXPLORES A WAY FOR ARCHITECTURE TO BRIDGE THE GAP THAT FORMED BETWEEN A DISPOSABLE ADAPTABLE SOCIETY AND THE SLOWNESS OF ADAPTATION IN ARCHITECTURE. THIS WILL BE A FURTHER DEVELOPMENT FROM WHAT HAS ALREADY BEEN RESEARCHED BY EARLIER PIONEERS LIKE ARCHIGRAM AND THE METABOLISTS OF JAPAN.



## ABSTRACT:

THE INTERNATIONAL STUDIO UNDER SANG LEE (NEW YORK) HAD THE APPROACH OF 'DESIGN BY RESEARCH'. THE STARTING POINT WAS DOING WHAT IS CALLED 'SAMPLING', THIS GIVES YOU AN IDEA OF WHAT HAPPENS IN AND AROUND AN AREA OF RESEARCH. FROM THIS 'SAMPLING' A DIRECTION FOR RESEARCH WAS CHOSEN FOR THE DESIGN DEVELOPMENT.

A SIMILAR APPROACH WAS TAKEN IN THIS DISSERTATION BY MAKING USE OF THE 'SAMPLING' METHOD AND 'DESIGN BY RESEARCH' APPROACH.

THE SAMPLING FOR THIS DISSERTATION WAS TO INVESTIGATE WHAT THE NEEDS ARE WITHIN THE WORLD REGARDING ADAPTABILITY AND THE 'SLOWNESS' OF ADAPTATION WITHIN ARCHITECTURE. THESE NEEDS GAVE THE PLATFORM FOR INVESTIGATING AND LOOKING INTO EXISTING SYSTEMS AND ELEMENTS IN THE WORLD. BY IDENTIFYING THESE SAMPLING OF SYSTEMS, RESEARCH WAS UNDERTAKEN TO CONNECT POSSIBLE SYSTEMS TO CREATE A TECHNOLOGY PLATFORM. THIS SYSTEM BEING ONE POSSIBILITY WITHIN IDEAS ALREADY THOUGHT OUT FROM GROUPS LIKE ARCHIGRAM AND THE METABOLISM GROUP UNTIL TODAY WITH ALL THE DEBATE FROM CONTAINER ARCHITECTURE TO PREFABRICATED HOUSES AND BUILDINGS. THIS IS NOT AN EFFORT TO PROPOSE NEW WAYS OF THINKING IN ARCHITECTURE, BUT COMBINING IDEAS AND SYSTEMS OUT IN THE OPEN TO CREATE A SYSTEM AND A BUILDING, BEING ABLE TO FIT INTO CONTEXT IN AFRICA AND ALSO IN THE SYSTEMS AND CONTEXT OF THE BIGGER WORLD.

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The access bound from the trainstation is set in place to improve direct access to the site from an important activity ands of Eindhoven. Access from the steep to the site's city-level in provided by access tweers and a podestrian nump next to the exilway lines...













Working against gravity and furning weefull spaces and areas is what every box provides in any direction it is jurged. We have some examples of how a loss can be structured to provide spaces in any given direction the gravity point is placed.







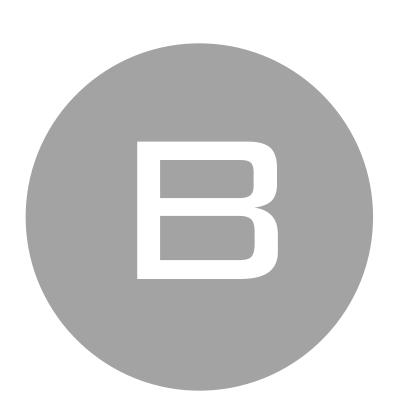










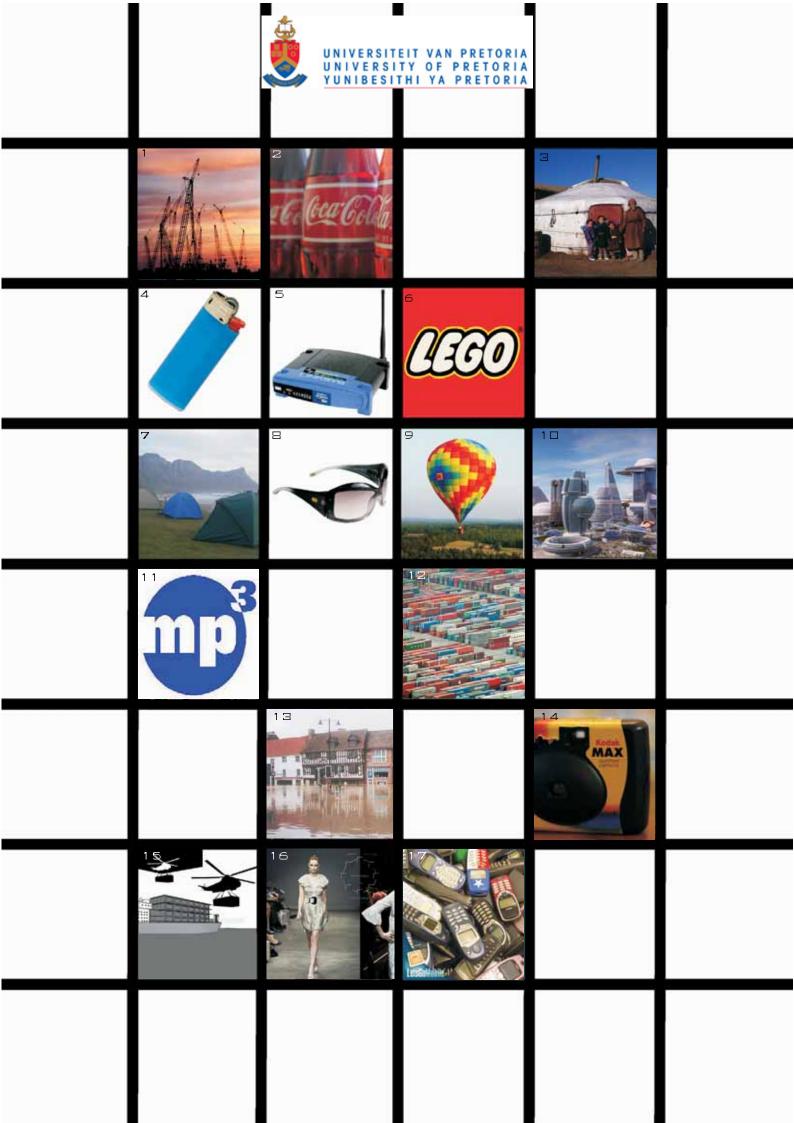




TRANSPORT

FASHION

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	Train			
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## PORSCHE DESIGN

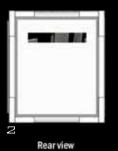


NEWS

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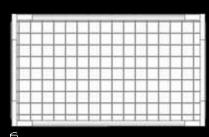


Front view

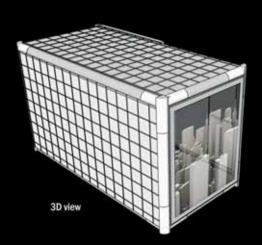
Window panel front view

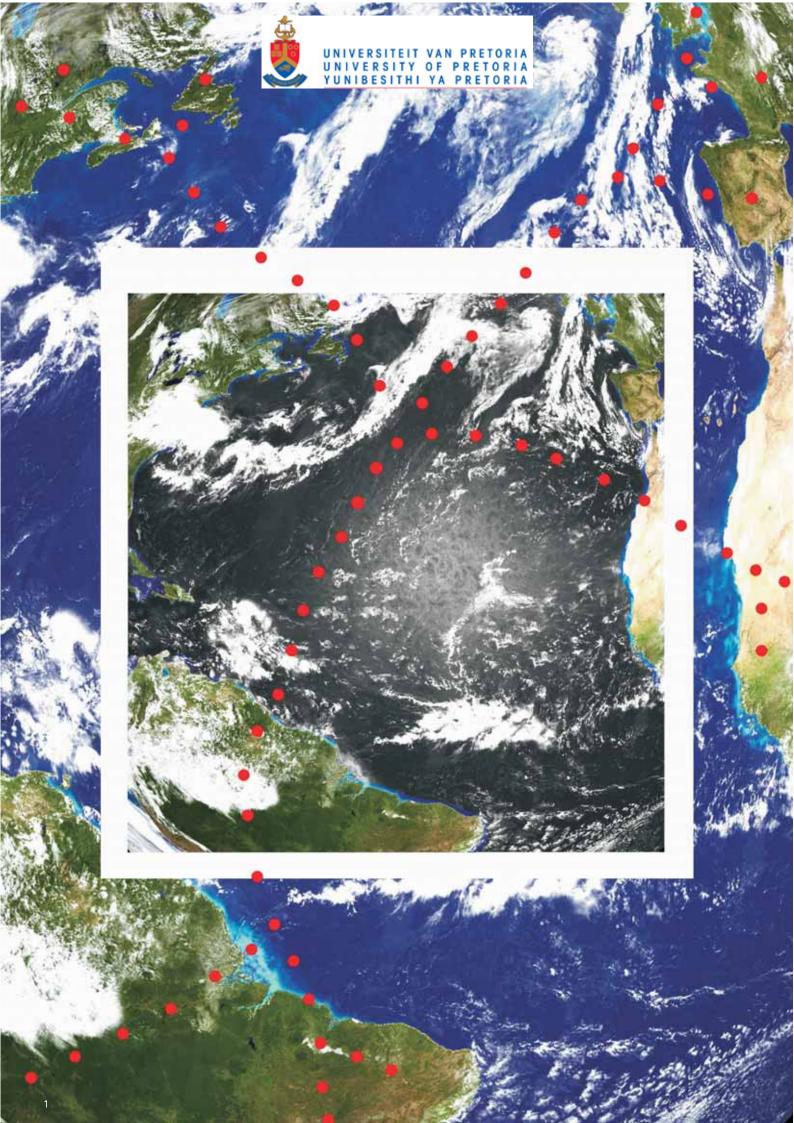


Side view



Side view

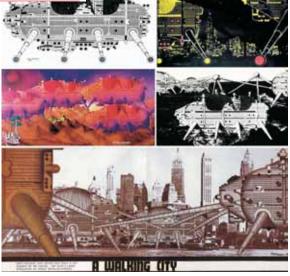




## **ARCHIGRAM**

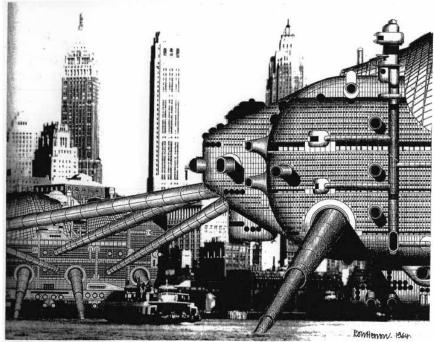






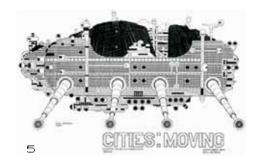
'THE REASON I VALUE ARCHIGRAM'S WORK OVER ALL THAT WHICH HAS BEEN PERFORMED DURING THE LAST TEN YEARS TO DISMANTLE THE APPARATUS OF MODERN ARCHITECTURE IS THAT IT HAS BEEN CONSISTENTLY COUNTER-CULTURAL IN CHARACTER. ARCHIGRAM HAS NOT LIMITED ITS AREA OF PLANNING TO ARCHITECTURE ALONE. AT TIMES ITS WORK HAS BEEN GRAPHIC. AT TIMES IT HAS BEEN PLASTIC. AND AT TIMES IT HAS TAKEN THE FORM OF NEW TECHNICAL PROPOSALS. IN EACH CASE, HOWEVER, THE WORK DONE HAS BEEN TOTALLY DIVORCED FROM THE PATTERNED LOGIC ARCHITECTURE HAS CREATED WITHIN ITSELF. WHEN ALL VALUES HAVE THUS BEEN TURNED TOPSYTURVY, ARCHIGRAM HAS ESTABLISHED A NEW STRUCTURE OF VALUES, A NEW SYNTAX, AND DEMONSTRATED THE POSSIBILITY OF AN INDEPENDENT SUBCULTURE. JAPAN'S METABOLISM GROUP, IN CONTRAST TO ARCHIGRAM, LACKED THIS PERSPECTIVE ON THE NECESSITY OF DISCOVERING COUNTER-CULTURAL VALUES. AS A RESULT. IT MADE THE EASY IDENTIFICATION WITH THE IDEAS OF MANAGERIAL PLANNING IN THE RAPIDLY EXPANDING CITY ECONOMY, ARCHITECTURE POLICIES.

ARCHIGRAM'S WORK IS BEING ASSESSED AND APPRECIATED A NEW TODAY BECAUSE. NOT MERELY IN ARCHITECTURE, BUT IN A FAR BROADER SPHERE, PRE-ESTABLISHED SYSTEMS OF EVERY KIND ARE DISINTEGRATING BEFORE OUR EYES. WHAT ARCHIGRAM HAS DONE IS TO DEMONSTRATE CLEARLY ONE PART OF THIS PROCESS. IT IS MY HOPE THAT WITH THE PUBLICATION OF ARCHIGRAM'S WORK OF THE LAST TEN YEARS AN EVER MORE INTENSE EXCHANGE OF COMMUNICATION WILL TAKE PLACE, THAT THE MALIGNANT CELLS OF THE COUNTER CULTURE WILL BE TRANSPLANTED TO EVERY PART OF THE WORLD, TO EVERY AREA OF CULTURE, AND THAT THE PROCESS OF DISINTEGRATION WILL BECOME INCREASINGLY VIOLENT AND UNIVERSAL.' (150ZAKI, 1999: 4)





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IN SPITE OF THE NATURAL PROCESS OF INEVITABLE CHANGE THAT OCCURS TO IDEAS THROUGH THE YEARS, SOME CENTRAL IDEAS DEVELOPED BY METABOLISM ARE EXTREMELY TOPICAL: FIRST OF ALL THE MATTER OF HOW TO LINK THE JAPANESE TRADITIONAL CULTURE (THAT IS AN ASIAN CULTURE) TO THE WESTERN MODELS, AS WELL AS THE NECESSITY TO BLEND MODERNITY WITH THE HERITAGE OF THE NATIONAL CULTURE AND TO CREATE AN ENVIRONMENT THAT COULD PROMOTE THE HARMONIZATION AND THE COOPERATION OF THE DIFFERENT ASPECTS OF THE CONTEMPORARY SOCIETY.

THE IMPORTANCE OF A LINK BETWEEN CULTURE AND OTHER MODELS IMPOSED FROM OUTSIDE ALSO PLAYS AN IMPORTANT ROLE IN SOUTH AFRICA, AS ONE SHOULD ALSO CONSIDER CULTURAL ASPECTS WHEN AIMING TO IMPLEMENT ANY NEW SYSTEM OR IDEA.

FOR THE METABOLISM GROUP THE CITY IS CONCEIVED AS A METAPHOR OF THE HUMAN BODY, AND IS SEEN AS A STRUCTURE THAT IS COMPOSED BY ELEMENTS (CELLS) THAT ARE BORN, GROW AND THEN DIE, WHEREAS THE ENTIRE BODY CONTINUES LIVING AND DEVELOPING.

METABOLIST ARCHITECTS BELIEVED THE ARCHITECTURE SHOULDN<sup>I</sup>T BE STATIC, BUT CAPABLE TO UNDERGO "METABOLIC" CHANGES, AND INSTEAD OF THINKING OF FIXED FORMS AND FUCTIONS, THEY DEVELOPED STRUCTURES AND PROJECTS COMPOSED OF MOBILE AND FLEXIBLE ELEMENTS.

"WHAT WILL BE THE FINAL FORM? THERE IS NO FIXED FORM IN THE EVER DEVELOPING WORLD. WE HOPE TO CREATE SOMETHING WHICH, EVEN IN DESTRUCTION WILL CAUSE SUBSEQUENT NEW CREATION. THIS "SOMETHING" MUST BE FOUND IN THE FORM OF THE CITIES WE ARE GOING TO MAKE- CITY CONSTANTLY UNDERGOING THE PROCESS OF METABOLISM". (PERNICE, 2004, 359)

