

JAHUPI PARAGUAY PARAGUAY RISE

HUMANITARIAN PROGRAM OF INFRASTRUCTURE PROJECTS
FOR THE DEVELOPMENT OF PROGRESS AND PROSPERITY

SCOPE OF NECESSITIES

WHY ? – PURPOSE HISTORICAL BACKGROUND

- In the 19th century, before the War of the Triple Alliance, Paraguay was a prosperous country and occupied a prominent and leading position in the region;
- Since the end of the War of the Triple Alliance in 1870, after suffering a demographic decimation unparalleled in history, its population has suffered the consequences of a historical tragedy from which it has never really recovered;
- A period that extends from the end of the War in 1870, through the First World War, the Chaco War, the Second World War and governments incapable of resolving the serious existing needs, to the present day. In addition, constant management errors have made the country, without adequate infrastructure, very fragile, falling far short of its true potential;
- The time has come to recover the country by installing the necessary infrastructure and development;
- The Humanitarian Program of Infrastructure Projects JAHUPI PARAGUAY / PARAGUAY RISE is the initiative that comes to correct and recover the course of this nation, the rescue, providing real solutions, and leveraging it to its just and deserved place;
- An innovative PROGRAM based on Projects and a tailor-made Management Model with internationally validated technologies, and structured to provide the necessary SOLUTIONS for the Paraguayan State, the Country, to become again a model, an example in the Region;
- The projects are named Guarani in honor to the First Nation members of the Guarani ethnic group.

THE PROGRAM

- ✓ It simultaneously addresses the following Thematic Themes through Program Integrated Projects: Territorial Management, Housing - Sustainable Communities (including First Nation members) and Housing Adequacy, Food Security, Sanitation and Environment, Healthcare, Clean Energy, Infrastructure and Logistics, and Comprehensive Education;
- ✓ The Thematic Themes are therefore developed simultaneously through the ANGIRU ACTION and the Management Model focuses on sustainable prosperity development at the local municipal/district, and regional levels; all Municipalities and Departments. A Countrywide Program;
- ✓ It is under the responsibility of Eng. Ulf Walter Palme - Designer and Manager - www.ulfwalter.net who created the Program and is based on professional merit, and has a multidisciplinary team selected, for now, from more than 100 professionals and 50 companies with national and international recognition and that support the initiative;
- ✓ It complies with the international guidelines of the Project Management Institute (PMI), with planned Project Management Offices (PMO), all the Owner's Engineering and even a permanent inspection/audit/auditory structure;
- ✓ It follows all standards such as ISO 9000, 14000, 16000, 27000, 37001, 45001, and OSH; ILO, IFRS/IASB, and others in the triad of Governance, Risk and Compliance (GRC), and the Legal Universe. And it will include anti-corruption and money laundering specialists;
- ✓ It is estimated that it will generate 651,050 direct jobs with the implementation of Industries, Commerce and Services;
- ✓ The period of the PROGRAM initially considered is 15 years;
- ✓ The necessary private resources amount to USD \$ 140,239,203,299;
- ✓ The PROGRAM will be a MODEL and can be replicated throughout Latin America and Africa with the necessary local adaptations.

JAHUPI PARAGUAY PARAGUAY RISE

Local Action
in 250 Counties
17 Departments



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Territorial Management

kuarahy
Housing Communities

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Food Security

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Sanitation Environment

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Wellbeing Healthcare

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Clean Energy

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Infrastructure Logistics

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Refurbishing Precarious Housing

PROJECTS

TERRITORIAL MANAGEMENT

- ✓ Plan Altimetric Mapping of the Country (407,000 km²) - with laser altimetry (LiDAR) of 5-10 cm and ortho images of 10-20 cm resolution;
- ✓ Land Use Classification and Determination of Hydrographic Basins (up to 3rd order) - Territorial Planning of all 254 Municipalities / Districts, Master Plan, approach on Progress and Prosperity;
- ✓ Creation / Assembly of a Multi-purpose Cadaster of the beneficiaries of the PROGRAM;
- ✓ Annual Territorial Monitoring of the necessary areas;
- ✓ Installation of the Center for Territorial and Constructive Management - CGTEC;
- ✓ Installation of a model neighborhood with all the technologies in the headquarters, next to the CGTEC;
- ✓ Air Combat of Forest Fires (especially in the Chaco Region - Savannah), Air Transport of Human Organs and Tissues, Humanitarian Airborne Operations during floods and when necessary.



HOUSING IN NEIGHBORHOODS / COMMUNITIES

- ✓ Reduction / eradication of the Housing Deficit of the Country, especially of Social Housing;
- ✓ Construction of 300,000 homes for an estimated 1,200,000 beneficiaries with infrastructure in the Asunción Metropolitan Area - AMA; Complete Community concept in neighborhoods of 2,000 to 5,000 homes in sustainable urban planning;
- ✓ Construction of 300,000 homes for an estimated 1,400,000 beneficiaries with infrastructure in the Interior of Paraguay, a concept of a Complete Community in neighborhoods with 500 to 5,000 homes in sustainable urban planning.
- ✓ Construction of 30,000 homes for an estimated 150,000 beneficiaries in the Complete Community concept;
- ✓ Construction of 75,000 homes for First Nation members with architecture appropriate to their culture.



RETROFITTING, REPAIR AND COMPLETION OF PRECARIOUS HOUSES INTO A CLEAN AND BEAUTIFUL HOME

Structural issues of housing and home infrastructure.

- ✓ 100,000 Families of the Metropolitan Area of Asuncion - ASU;
- ✓ 300,000 Families of the Urban Interior of the Country;
- ✓ 350,000 Peasant Families of the Interior of the Country.



FOOD SAFETY

- ✓ Immediate Food Security Action to ensure nutritious food, especially for the Extreme Poverty and the Poor, through different strategies from installation of Restaurants / Industrial Kitchen in the municipalities in the infrastructure of Local Action Program (strengthening of local and regional economy), support to institutions that already promote food distribution in earnest, basic baskets, strengthening the structure and production capacity of farmers;
- ✓ Together with the farmers, develop commercial orchards, management and production of pastures and implanted crops, processing plant for fruit and vegetable products with means of transport, poultry, pig and cattle feed processing plant, poultry breeding center, poultry products processing plant with means of transport, on-farm milking shed, milk processing plant with means of transport, pig breeding center, meat and pork products processing plant with means of transport, community supermarkets, Nutritious Food Distribution Center;
- ✓ Installation of artesian wells and distribution of drinking water;
- ✓ Significantly reduce food loss and waste in the food chain, ensuring the supply of nutritious food to the entire population, especially children;
- ✓ In integrated action with the other projects of the Program:
 - ✓ High-performance Technical Colleges with computer equipment and library;
 - ✓ Community recreation centers for adults and children;
 - ✓ Health Care Units and Centers for Farmers - ambulance with intensive care unit;
 - ✓ Construction of more than 100,000 houses for peasants;
 - ✓ Training in various topics of interest;
 - ✓ Infrastructure for Volunteer Firefighters;
- ✓ The investments made in farms such as chicken coops, pigsties, greenhouses, agricultural crops, reforestation may generate income to the beneficiaries of these activities with the provision of raw materials for industries once processed and marketed, the profits generated will be reinvested in the population in road maintenance, health and education, all activities will be carried out with a cooperative approach where the main actors will be the neediest population.



COMPREHENSIVE EDUCATION

- ✓ Cooperate in the training of comprehensive individuals, young people in vulnerable situations, who further acquire the skills and knowledge necessary to start their own ventures in the field of Ecological Productivity, Culture and Tourism, access to a decent job in various sectors. Total of 159,000 beneficiaries.



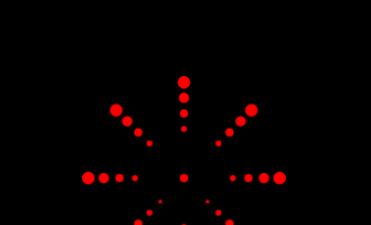
SANITATION AND ENVIRONMENT

- ✓ Civil Works to avoid Floods;
- ✓ Install Storm Drainage and Sewerage in the Asunción Metropolitan Area - AMA, reaching nearly 5,000 linear km of Network;
- ✓ Install Storm Drainage and Sewerage for all Municipalities / Districts of the Interior of Paraguay, reaching about 12,000 linear km of Network;
- ✓ Garbage Recycling and energy generation in the concept of Circular Economy;
- ✓ Promote Environmental Health with the communities.



WELL-BEING & HEALTHCARE

- ✓ METROPOLITAN AREA OF ASUNCIÓN - AMA. Install Health Care Network / Social Capillarity Health Network with 1 University Social Hospital (HSU) (24/7) with 150 beds + 50 ICUs, 4 First Aid Units (UPA) and 12 Basic Health Units (USB), Network of 26 ICU Ambulances and 1 ICU Helicopter Ambulance. Provide affordable access to all Paraguayan citizens in the Asunción Metropolitan Area (AMA);
- ✓ INTERIOR OF PARAGUAY. Install Health Care Network / Social Capillarity Health Network with 4 University Social Hospitals (HSU) (24/7) each with 150 beds + 50 ICUs, 6 ICU Ambulances and 1 Helicopter Ambulance; 44 Health Centers (Regional Hospitals) (24/7) each with 50 beds + 20 ICUs, 4 ambulances with ICU; 200 Joint Basic Health Units (UBS) and First Aid (UPA) and 1 ICU Ambulance (24/7). Fleet of 18 Helicopter Ambulances. Provide affordable access to all Paraguayan citizens in any Municipality / District of the Interior;
- ✓ A total of 7,384 beds in the Interior, with 2,280 hospitalization beds, 880 ICU beds, 2,628 Observation beds, 1,020 Red Rooms, 244 Stabilization Beds, 18 Helicopter Ambulances and 332 Ambulances with ICUs;
- ✓ Provide Quality Medical Education through University Hospitals.



CLEAN ENERGY

- ✓ Installation / Retrofitting of 500 kV High Voltage Transmission Lines and Electric Power Distribution - High, Medium and Low Voltage, especially for rural areas to support the Agricultural Productive Chain and the Health Attention Network, among others;
- ✓ Installation of SHP (Small Hydropower Plants) and other alternative forms of Energy when necessary, such as Biogas and Photovoltaic Energy;
- ✓ It incorporates the MASTER PLAN of ANDE - National Administration of Electricity, transmission, distribution, information and communication technology for the period 2021-2030, and generation, for the period 2031-2040;
- ✓ Ensure access to electricity for all Paraguayan citizens of the Interior and for the infrastructures of the PROGRAM Projects and development of the country.



TRANSPORT AND LOGISTICS INFRASTRUCTURE

- ✓ Construction, Retrofitting and Paving of Neighborhood Roads (approx. 20,000 km) including Bridges and Works of Art, for the production areas of the Agricultural Chain;
- ✓ Railways & Ports of importance for the sustainability of especially rural communities, ensuring the necessary infrastructure logistics for the PROGRAM projects and development of the country.

