

INSTITUTO IDESA AMAZÔNIA



01/10/2015

Technology for sustainable development

Founded in April of 2004 in the city of Manaus, Amazonas state capital, DEVELOPMENT INSTITUTE AND SOCIAL EDUCATION IN THE AMAZON - IDESA AMAZON, as a social organization with non-profit, decided, among other activities help communities poor farmers in the state who are left without their roads during periods of rain. It provides for chemical soil stabilization technology, which allows to build roads resistant to rainy actions and ensuring traffic all year.



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Chapter I - NAME, HEAD OFFICE AND OBJECTIVES

Art. 1. DEVELOPMENT INSTITUTE AND SOCIAL EDUCATION OF AMAZON, also known by the acronym IDESA established in August 10, 2003, is a legal entity of private law, for purposes not economic, and duration indefinitely, based on the Tapajós Street No. 13, Conj 02 - Centro, CEP 69025-140, Manaus, Amazonas State and jurisdiction also in Manaus and adopts as fundamental principles the principles and provisions set forth in the Universal Declaration of the Rights of Man and of the Citizen

Art. 2. The purpose is to IDESA

I - Promotion of ethics, peace, citizenship, human rights, democracy and other universal values;

II - Promoting economic and social development and combating poverty; in the Brazilian Amazon

III - to promote and sponsor studies, polls, analyzes the political, economic, social and cultural, on the Amazon, Brazilian and international realities.

IV - organize topics for study cycles, and holding conferences, seminars and symposia; On the social, economic, cultural and ecological the Amazon region.

V- enter into and maintain agreements, agreements and exchanges with public and private, national and international entities;

VI - edit publications, TV shows, video, film and other media in order to disseminate and professional training geared toward the interests of regional development.

VII - Develop, implement and develop nature projects and community interest in the Amazon region



VIII - To develop educational and cultural programs related to human rights, citizenship and democracy education

IX - Develop research and socio-economic projects;

§ Single - In developing its activities, IDESA observe the principles of legality, impersonality, morality, publicity, economy and efficiency and will not make any discrimination of race, color, gender or religion.

Article 3 - The IDESA must keep permanent autonomy, acting without any linkages of ideological or partisan political order.

Rural roads – Importance



Rural roads bring great economic importance, social and environmental. From an economic perspective it is through them occurring runoff from agricultural production to supply urban areas. Also serve as transport means of agricultural inputs essential to the production come to the farms. The conservation status of these roads determines variation in the cost of products transported. Excerpts from bad roads end up causing damage to vehicles, causing the use of longer

routes and more fuel consumption, longer time spent in transport reduces the storage time which eventually causes higher prices.

The access of rural population to basic health services and leisure education occurs through these roads. Young people from rural areas travel through many kilometers of roads to access education in secondary and higher levels. Apart from that are estras rural roads that make connections with other modes of transport.

Rural roads built with the chemical stabilization technology soils do not require asphalt. In the summer they do not make dust and winter do not do mud. A small cost which is funded by the Institute IDESA AMAZON, with the help of local government.



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ACCESS ROAD TO THE COMMUNITY AGRICULTURAL GREEN HOUSE. 26km

The road conservation status directly influences the cost of shipping and the quality of the load. Excerpts from bad roads end up causing damage to vehicles, and sometimes even impossible traffic, causing the use of longer routes and higher fuel

consumption. The longer time spent in transport reduces the shelf life, and vibration caused by the irregularities of the tracks generate losses in product quality, impact on their final price.

The access of rural population to basic services like education, health and leisure often takes place through the back roads. Young people in rural areas face kilometers of roads to gain access to a quality education, a fact made worse by poor road conditions. The need for consumer products and manufactured goods also contributes to this population shift to urban centers. The displacement of these populations to the places where these services is hampered by the conditions of the roads. The preservation of the good condition of the roads contributes to the determination of the families in the countryside and improving living conditions.

Environmentally, the maintenance of dirt roads is linked directly to the erosion control and soil loss, conservation and recovery of marginal areas the roads, the reduction of



siltation of streams and rivers. These factors affect the composition of the local landscape and the preservation of the environment.



Urban pavement base in the city of Manaus, the Amazon state capital. Built with the chemical soil stabilization technology, with ECOLOPAVI -Soil Stabilizer.



Stretch of rural highway in the Extension of the Villa Verde in the State of Amazonas..



Highway built with the soil chemical stabilization technology in the city of Puerto Maldonado, Peru.



EVENTS

First workshop Chemical stabilization of soils of Amazonia held in June 2005 in the city of Belém, Pará Esatdo the capital. 102 participants civil engineers who received during three days all the information training on our soil stabilization technology. The purpose of that event was to introduce this technology in the culture of road engineering in Brazil and improve the quality of Brazilian highways.



According Amazon Seminar stabilization soil chemistry performed in another 2006 in the city of Manaus, Amazonas Esatdo the capital. 98 participating engineers.



Third Stabilization Soil Chemistry Seminar, held in the city of Recife, state of Pernambuco, in December 2006. 66 participants engineers.



Presentation for the company Estacon Engineering Ltd. A large Brazilian company based in the city of Belém, in Pará State.



Presentation to the Directors of the Highway of State Departments of all states of Brazil, in the city of João Pessoa, in the state of Paraíba, in November 2006.



The IDEAS Institute AMAZON working assiduously to introduce the chemical stabilization technology solos in the culture of road engineering in Brazil in order to improve the quality of Brazilian highways, reduce the cost of shipping the goods and provide security and comfort to users, which results in economic and social development



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The bridges used on all highways in the Brazilian Amazon are made of wood taken from the forest by artisans with no technical training. The regional government has been constantly announcing that need better technology, more secure and modern to avoid the numerous accidents that happen every year with many casualties. For this reason our Idesa Institute plead Amazon has an exclusive representation for Brazil to attempt to exploit this very need of modernization and development market.



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