

**United Nations Forum on Energy Efficiency and
Energy Security for Sustainable Development:**

**Taking Collaborative Action on
Mitigating Climate Change**

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*Experiences in Perú with conversion of vehicles
from gasoline to natural gas*

Speaker:

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Center for Energy Conservation & Environment

CENERGIA (Lima-Perú)

CENERGIA and the Natural Gas in Perú

CENERGIA (Center for Energy Conservation & Environment) is an organization dedicated to conduct studies associated with Energy Efficiency and Renewable Energies as well as other related topics.

Natural Gas has become available in Lima as from August 2004 and it is presently used in Electricity Generation, Industrial Plants, Residential Households and Transportation Units.

A program (COFIGAS) for facilitating conversions of vehicles from gasoline to natural gas has been designed by a local financial bank (COFIDE).

Conversions to Natural Gas

LATIN AMERICA

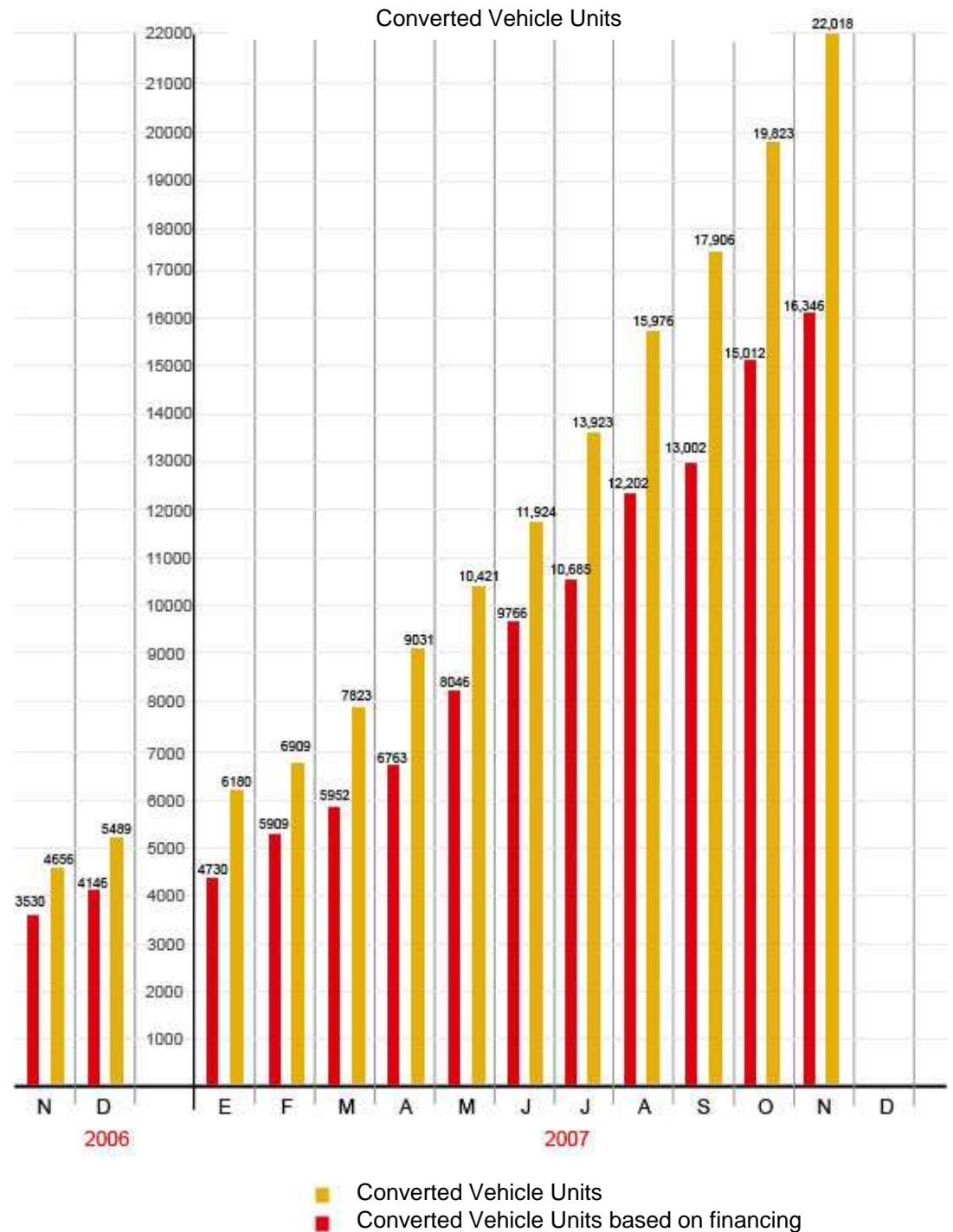
Country	Converted Vehicles	Stations	Date
Argentina	1.459.236	1.400	Dic. 2005
Brasil	1.228.079	1.295	Ago. 2006
Colombia	60,000	90	May. 2005
Venezuela	44,146	149	Abr. 2004
Bolivia	38,855	63	Set. 2005
Chile	5,500	12	May. 2005
Trinidad & Tobago	4,000	13	Abr. 2005
Perú	22,018	17	Nov. 2007

INTERNATIONAL

Country	Converted Vehicles	Stations	Date
Pakistan	1'000,000	828	May. 2006
Italia	382,000	509	May. 2005
India	334,658	321	Abr. 2006
USA	130,000	1340	Dic. 2006
China	97,200	355	Ene. 2005
Ucrania	67,000	147	May. 2005
Egipto	63,135	95	Nov. 2005
Rusia	41,780	213	May. 2005
Canada	20,505	222	Set. 2003

Perú

Vehicles converted to Natural Gas



COFIDE & COFIGAS – Description

As from 1992, **COFIDE** (Development Financing Corporation) operates as an intermediate financial bank in order to provide assistance to export and small-medium size companies.

COFIGAS (Financed Conversion Program to Natural Gas) has been structured by COFIDE to finance the conversion process to natural gas for light vehicles units (taxis, private cars), public transportation units (buses) and heavy transportation units, assuring more efficiency and higher revenues available for end users as a result of generated savings, which may reach up to 60% of current consumption.

Market Target

Potential vehicle market in Lima for conversions in the next 5 years is estimated at 149000 units, from which 115000 would be private cars, 31000 taxis and 3000 corporate or state owned. Overall demand for financing would reach US\$137 million.

Considering penetration percentages similar to other Latinamerican experiences, the target market vehicle is estimated as 29000 units for the period 2007-2011, being the financing demand for conversions as US\$ 29 million.

Processes Involved



BUREAU
VERITAS

Certification Boards



Registration at Shops



Control and Safety of Conversions



Registration of Vehicles Converted



Customer Service



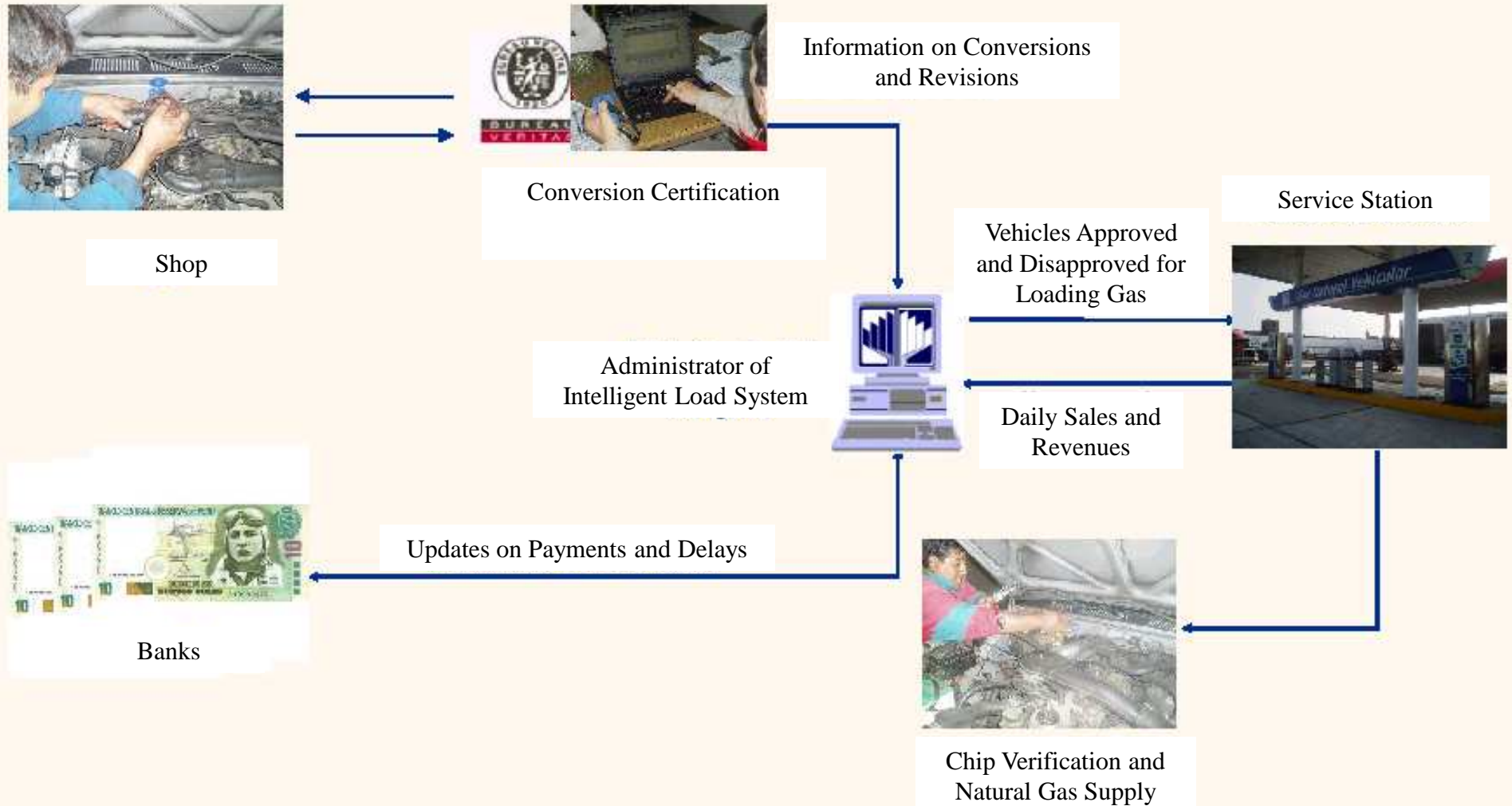
Design and Construction of Service Stations



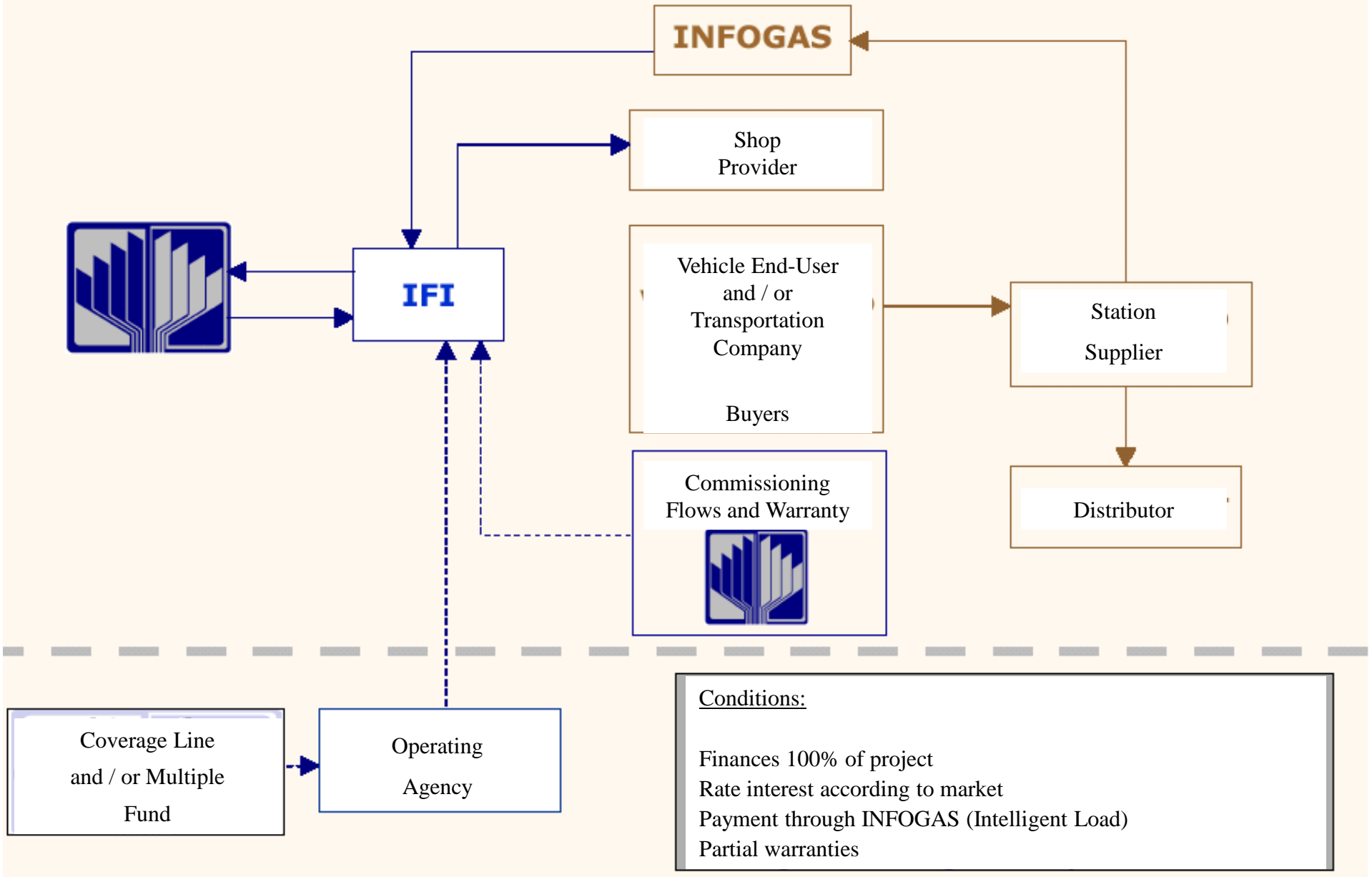
Conversions Financing
Intelligent Load Systems



The Conversion Process



COFIGAS for Vehicles in Perú



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Thank you!