Third Millennium Global Energy Solutions, LLC



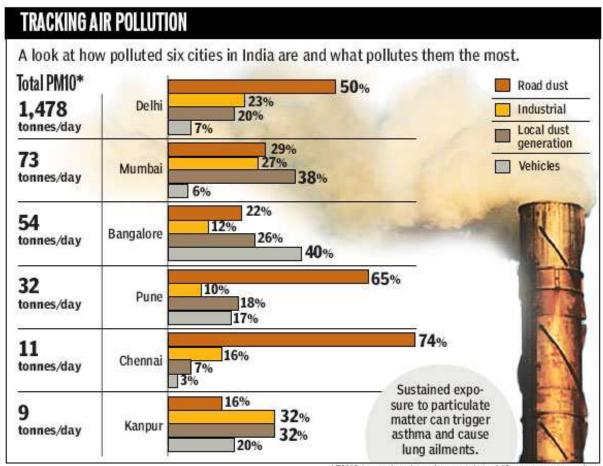
新千纪全球能源优化公司

Energy Solutions for the Third Millennium

Solutions for India

The challenges;

The Challenges - escalating energy demands, environmental air & water quality, health related issues, will halt India's continued growth if not addressed immediately.



*PM10 is used to describe particles of 10 micrometers or less

Approximately 52 - 85% of India's electrical power generation is coal based generation. As an anticipated estimated population of 300 million people that do not as of yet have electrical power in India are supplied the situation only becomes more dire. India is already in the midst of a national health crisis with the worst quality air in the world.

According to a recent study by researchers from the University of Chicago, Yale and Harvard, more than half of India's population lives in places with such polluted air that each person loses an average of 3.2 years in life expectancy.

(NYT 2/21/2015 By Gardiner Harris)

Air Pollution





Taj Mahal - Agra, India

A CRISIS PLACING THE MASSES IN JEOPARDY

In addition inadequate or non-existent sewage treatment systems, inadequate or non-existent solid waste management is resulting in contamination a substantial number of water sources.

An adequate supply of clean fresh water supply for the masses are categorically lacking.







India River Pollution:

80 Percent of Indian Sewage Flows Untreated Into Country's Rivers

The New York Times

Polluted Air Cuts Years Off Lives of Millions in India

By GAPDINER HARRIS FEB. 21, 2015

COLOMBO, Sri Lanka — More than half of India's population lives in pla air that each person loses an average of 3.2 years in life expectancy, accordi-respearchers from the University of Chicago, Yale and Harvard.

Altogether, 660 million Indians could lose 2.1 billion years as a result of m cost to the country's economy, the remarchers found.

"This study demonstrates that air pollution retards growth by causing pec-said Michael Greenstons, an author of the study and the director of the Ener University of Chicago.

A World Health Organization shield has year found that 13 of the 20 m world are in India, with New Delhi's air the world's worst. But India contamic development its priority and has announced in intention to discuss the India world world world with the India world world world world with the India world wo

But a growing array of studies has shown that the costs of India's perinstance, esseanch has shown that India's air pollution problems may cut a third. That might explain why wheat and rice yields in India have beginn some states after decades of growth.

The authors of the recent study say that India should improve its monlin a system of civil monetary penalties for excessive polluters and adopt a





The New York Times

Cutting Through India's Smog

Proof of the grave air gollution problem confronting India is sentent just in the sufficeating smog that on many days grown in skedt rate from chronic response diseases, which kall an estimated 1.5 million Indians every year A 3014 World Health Organization negoty concluded of the 20 most polluted cities in the world. India has 13.



Solution

Given the culture, country and infrastructure **PPG** offers a near perfect solution to provide clean efficient low cost power generation and water purification. The 200MW configuration of proposed PPG plants minimizes grid alterations serving specific geographical energy loads. The multi-output plant configurations allows for wastewater processing.