



After the International MINExpo held in 2000, PT Pamapersada Nusantara (PAMA) Mining of Indonesia first decided to use FILTAGREEN® International's Efficiamax® Fuel Treatment. (PAMA is the largest privately held, independent mining contractor in the world, and the largest user of Komatsu equipment in the entire world.) They determined that if they gained a 2% increase in fuel efficiency, calculated based on the price point at which they would purchase the product, it would lead to a 300% return on their investment in the product. Initial tests of the product proved an increase of significantly more than 2%.

PAMA uses over 300 million gallons (US measurement) of fuel per year. Their machines run an average of 23 hours per day. This equates to approximately 822,000 gallons of Efficiamax®-treated fuel being used each day.

Currently, PAMA is at 4.5% increase in fuel efficiency. This represents 2.5% more than was originally estimated. Therefore, by using FILTAGREEN® International's Efficiamax® Fuel Treatment, this company is receiving a 675% return on investment and saving 37,000 gallons of fuel each day.

In addition to savings outlined above, PAMA is the only company in Indonesia and the only mining contractor in the world to be ISO 14064 Certified for reduced greenhouse gas emissions. This is a direct result of using FILTAGREEN® International's Proactive Maintenance Program. PAMA has cut their maintenance budget by 40% since 2001, all made possible by FILTAGREEN® products.



As a direct result of using the FILTAGREEN™ Proactive Maintenance System,

PAMA Mining

- has cut their maintenance budget by 40% • has cut their fuel costs by 4.5% • has received a 675% return on investment • saves 37,000 gallons of fuel each day • has saved hundreds of millions of dollars

Plus, PAMA is the only company in Indonesia and the only mining contractor in the world to be ISO 14064 Certified for Reduced Greenhouse Gas Emissions

