

# Energy Efficiency:

## New compressor (p. 1)

### New equipment increases energy efficiency in a gas filling station

Established in 2002, Ltd "Sugergazi-Italia" specializes in the field of automobile gas filling stations. In 2015, the company began re-equipping the existing natural gas filling stations located in Tbilisi. Electricity and natural gas is used at the station at different stages of operation – compressors and other auxiliaries, boilers for gas storage pre-heating, etc.

The client aimed at investing into more energy efficient equipment and reduce his energy consumption through a new CNG compressor and its peripheral equipment.

With the replacement of the compressing equipment, the specific savings are 0.15 kWh/m<sup>3</sup> or 39%, corresponding to a 735.2 MWh annual energy savings.



**Replacing equipment at a natural gas filling station helps the company to save annually about USD 50,000.**

# Energy Efficiency:

## New compressor (p. 2)

### New equipment increases energy efficiency in a gas filling station

#### Main Investment

Installation of new compressor and gas dispenser

#### Size of Investment

243,566 USD

#### Date of Implementation

2015

#### Operational Results

- Increased capacity and reliability
- Expected 49,618 USD or 39% savings from reduced electricity consumption

#### Investment Profitability

- Payback period of 4.8 years
- IRR 24.91%



**735.2 MWh or 39% of energy savings expected**



**European Bank**  
Reconstruction and Development



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