

The Piezoelectric Effect

2013



POWER
UNDER PRESSURE
PIEZO ELECTRICITY

2013 ENGINEERING IDOL COMPETITION

A Challenge by

ENGINEERING IDOL

Engineering Idol



COMPETITION

...A project in

Mechatronics

Mechanical Engineering

Piezo Crystals have been
studied by scientists for a long
time

They 'collect' energy from vibrations then
generate electrical signals

.....They also compress IF an electrical input is applied to them!



Your job is decide on a mode for your Piezo Crystal and propose how it can be used in a new design to improve life and serve the world.

Your Job

Investors are looking to support a great
Technical idea

What you need to do ..

- Convince the Investors that your idea is the most creative and feasible idea for them to develop
- Who knowsThe idea may one day prove to be economically feasible....

What you need to do

- Build an prototype with a real Piezo Crystal to demonstrate your idea

Where to go for help

Details of the competition are in the "unveil" package emailed to your team

Our technical advisors are available via EMail at Engineeringidol2013@gmail.com

Info in your "unveil" document.....

- details about the competition day
- details about how much \$\$\$ you can spend
- details about judging and prizes

Thanks for joining us this year!!!