



**Category:** Analyzers and control systems, Consulting and engineering services, R&D.  
**Sub Category:** MCM (Motor Condition Maintenance).

[www.phase3-tech.com](http://www.phase3-tech.com)

## Company profile

PHASE3 has developed an innovative technology that enables it to bring to the market a new type of online Machine Condition Monitoring solution.

**Year of establishment:** 2011

**No. of employees:** 3

## Background of the company

PHASE3 was founded in December 2011, and is currently a portfolio company of L.N. Green Technological Incubator, located in Haifa.

## Examples of projects

PHASE3 has made 3 successful pilots:

1. NESHER Israel Cement Enterprises - 12 low and high voltage motors were tested and successfully approved
2. MILUOF (poultry cooling plant) - 3 motors of 400KW each were tested and successfully approved
3. GERSHON KLEIN (motor repair factory) - 30 low voltage between 3HP to 160HP motors were tested before and after repair and successfully approved.

## Technologies & products

### General description:

PHASE3's system is based on an innovative proprietary technology which identifies problems and faults in the motor's operation by measuring the magnetic fields generated by current and power feeding at the motor supply power cables.

### Function of the product(s):

- A. Early warning of developing mechanical and electrical faults
- B. Real time continuous monitoring of condition and performance of equipment
- C. Alarms are received immediately with no need to collect data for learning
- D. Optimizing production and maintenance scheduling
- E. Increasing productivity and capital efficiency
- F. Logging the entire raw data for covering legal issues

## Objectives / Target companies

The development of the commercial version is expected to be completed by mid-2013. The Company is seeking capital in order to accelerate the product development, expand the beta-site installations to 100 units, and to kick-off marketing efforts - targeting system integrators and motor manufacturers. Funds will also be used to develop an integrated version of the product in the form of a module or a programmable chipset for OEM purposes.