CLAIMS:

1. An NBC filtration system comprising an NBC filter unit; a blower and a self powered status indicator, said status indicator comprising: an air turbine blade fitted in the air pathway of said NBC filtration system; an electric generator mechanically coupled to said air turbine blade; a controller; and a human interface, wherein said electric generator provides electric power for at least said controller and said human interface, and wherein said controller provides a status information through said human interface, said status information comprising at least a rate of airflow.

2. The NBC filtration system as claimed in claim 1, further comprising an air exchange backup unit.

3. The NBC filtration system as claimed in claim 1, further comprising a light source, wherein said electric generator provides electric power for said light source as well.

4. The NBC filtration system as claimed in claim 1, wherein said human interface comprises a liquid crystal display providing visual indication of said rate of airflow.

5. The NBC filtration system as claimed in claim 1, wherein said human interface comprises a series of light emitting diodes providing visual indication of said rate of airflow.

6. The NBC filtration system as claimed in claim 5, wherein said light emitting diodes are of different colors.

7. The NBC filtration system as claimed in claim 1, wherein said human interface is a voice synthesizer announcing a message at least when said rate of airflow is insufficient.

8. The NBC filtration system as claimed in claim 3, wherein said light source is a power saving light emitting diode with efficiency of above 150lm/W.

9. The NBC filtration system as claimed in claim 1, wherein said controller calculates said rate of airflow as a function of an output signal generated by said generator.

10. The NBC filtration system as claimed in claim 9, wherein said output signal is selected between said generator frequency and said generator voltage.

11. The NBC filtration system as claimed in claim 9, wherein said controller uses two different functions for calculation of the airflow, a first function is used when said light source is turned off and a second function is used when said light source is turned on.

12. The NBC filtration system as claimed in claim 9, wherein said function values are stored as a data array in a memory of said controller.

13. The NBC filtration system as claimed in claim 1, wherein said controller further provides information regarding indoors air quality.

14. The NBC filtration system as claimed in claim 13, wherein said information regarding indoors air quality comprises data selected from the group of: humidity; temperature; contents of CO2; and contents of CO.

15. The NBC filtration system as claimed in claim 1, wherein said controller is provided with an input, recognizing a mode of operation of said NBC filtration system, said controller electronically adjusts the rotation speed of said blower.

16. The NBC filtration system as claimed in claim 1, further comprising a USB socket, wherein said electric generator provides power for instruments connected to said USB socket.

17. The NBC filtration system as claimed in claim 1, further comprising a switch, wherein said switch is used for calibration of the system.