**mobile wireless sensor network** (MWSN)[[1]](https://en.wikipedia.org/wiki/Mobile_wireless_sensor_network#cite_note-Hayes-1) can simply be defined as a [wireless sensor network](https://en.wikipedia.org/wiki/Wireless_sensor_network) (WSN) in which the [sensor nodes](https://en.wikipedia.org/wiki/Sensor_node) are mobile. MWSNs are a smaller, emerging field of research in contrast to their well-established predecessor. MWSNs are much more versatile than static sensor networks as they can be deployed in any scenario and cope with rapid [topology](https://en.wikipedia.org/wiki/Topology) changes. However, many of their applications are similar, such as environment monitoring or [surveillance](https://en.wikipedia.org/wiki/Surveillance). Commonly, the nodes consist of a [radio](https://en.wikipedia.org/wiki/Radio) [transceiver](https://en.wikipedia.org/wiki/Transceiver) and a [microcontroller](https://en.wikipedia.org/wiki/Microcontroller) powered by a [battery](https://en.wikipedia.org/wiki/Battery_(electricity)), as well as some kind of [sensor](https://en.wikipedia.org/wiki/Sensor) for detecting [light](https://en.wikipedia.org/wiki/Light), [heat](https://en.wikipedia.org/wiki/Heat), [humidity](https://en.wikipedia.org/wiki/Humidity), [temperature](https://en.wikipedia.org/wiki/Temperature), etc.