



TOCK System is composed of 2 main parts:

Module Set: This is the consumed portion of the system, covering;

MODULE: It is a full product with

- **Module Body** - It is a specific design, basically from PE (can be from PET, Cardboard, etc.) with biodegradable and fire retardant additives. One end is built closed for connection and other has an end cap for filling and closing.
 - **TOCK Mixture** - The mixture comprises chemicals and natural ingredients that can be found all over the world without limitation. It is a unique mixture as a part of the TOCK System, thus can function properly and as required 'only' with the system.
 - **Electronic Ignition Component (EIC)** - This component is also the very specific part of the system. It is designed to function in harmony 'only' with the TOCK System. It is the only product that can activate the mixture according to the requirements, which are; power, time limit, size.
- Being a part of the Module, EIC is placed inside the proper section of the Module Body with a wire couple of which other end is the 2-pin connector (assembled to the closed end of the body).

IGNITION WIRE: It is a wire couple of specified length, one end with the 2-pin connector (to be attached to the Module) and other end has inserts to be attached to the Distributor for energy transfer.

Energy Supply Set (ESS): This is the fixed portion of the system, covering;

ENERGY SUPPLY UNIT (ESU): This unit is the brain of the System. It is built from electrical and electronic components with embedded control unit & software. All adjustments, controls and start/stop actions are done from ESU. While the energy to ESU is supplied by a power cable, either from a designated generator or from the city mains, this power is transferred to the Modules via Distributors by an energy supply cable.

DISTRIBUTOR: This component has a role to distribute the power to each Module Set. The power enters the distributor by the energy supply cable and goes to each Module via Ignition wire.

Today, the system is designed to activate 9 nodes (or holes) which are fair enough to break enough rock (or concrete) at a time. In order to increase the breaking capacity, additional distributors can be employed repeatedly, to activate more holes.



Module Sets are placed in UN certified Boxes

