

# UNDER

NITES pioneers concepts of equipping smart grid with equipment and intelligence, which in conduction to industry expertise enable our clients to rapidly adoption to changing market conditions, resulting with end users enhanced perception of value for service consumed and their engagement in helping achieve CO2 reduction that leads to further product innovation and delivery of sustainable services that protects our fragile living environment.

# TAKE

# THE FUTURE COMMODITY

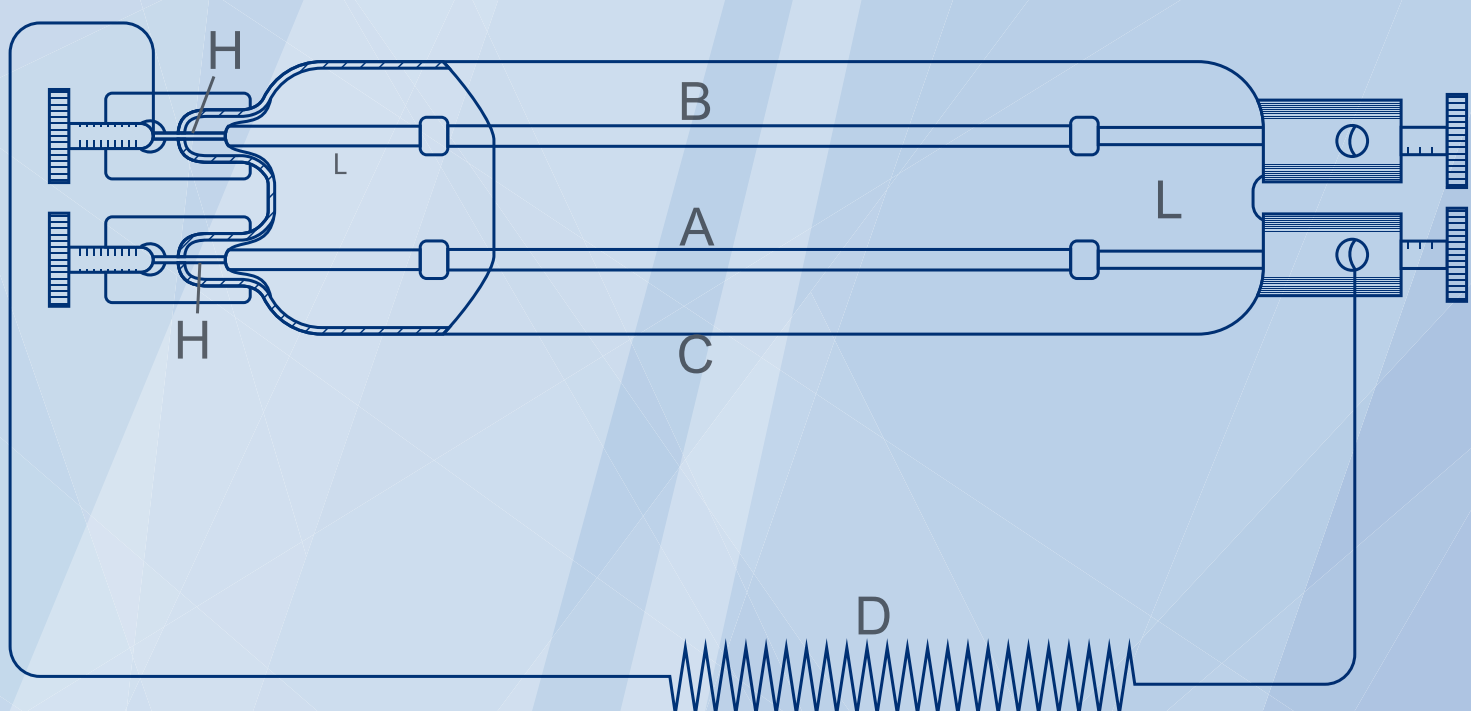


Fig. 1

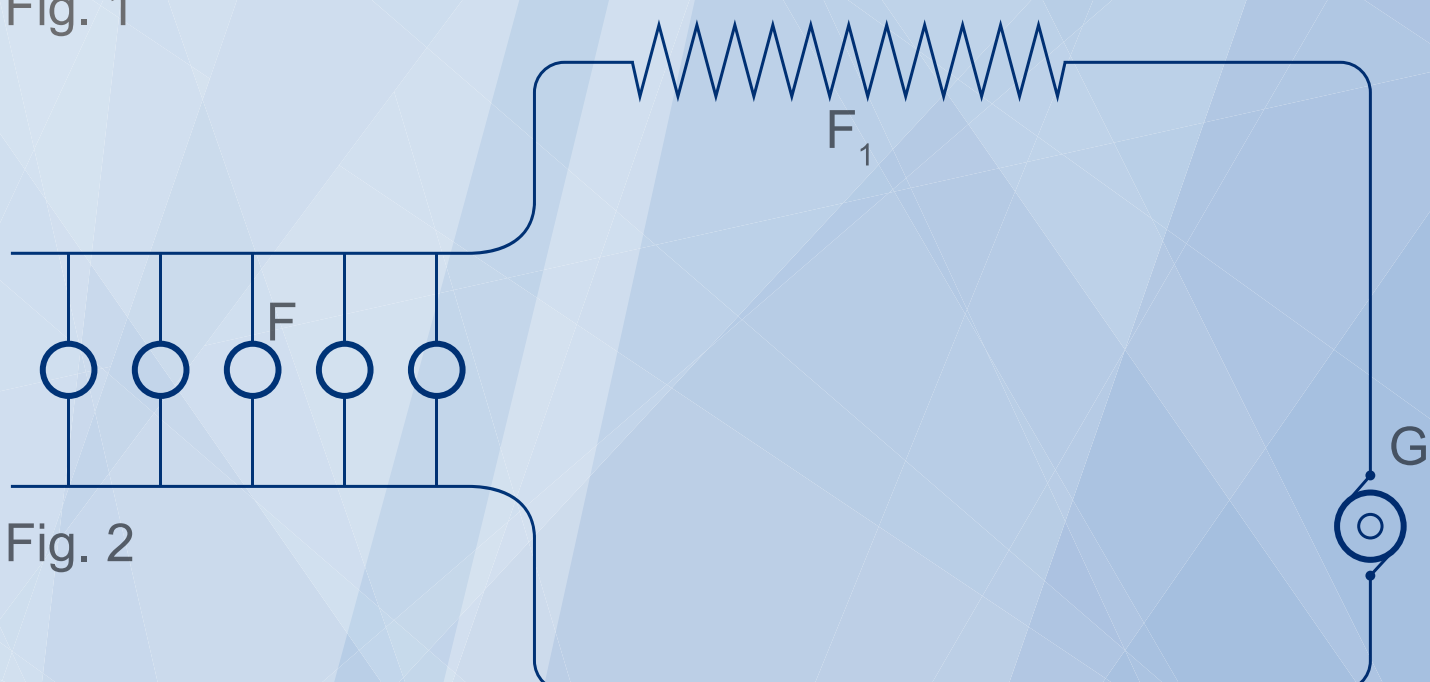


Fig. 2

## NIKOLA TESLA'S ELECTRICAL METER

INVENTOR: Nikola Tesla

YEAR OF REGISTRY: February 20, 1894

PATENT No. 514, 973

USAGE: Measurement of electricity and attempt to develop smart meters, a basic component of a smart grid

### DESCRIPTION:

The subject of this invention is a novel method of and apparatus for computing the energy that has been expanded in a given time in a circuit, and is more particularly designed for measuring the expanded energy of alternating currents and those of varying strength. Dr. Tesla invented the method of measuring the amount of electrical energy expanded in a given time in an electric circuit of alternating currents, which consists in maintaining by such currents a high tension discharge through a rarefied gas between two conductors, and computing from the amount of the particles thrown off from said conductors or one of the same by the action of the discharge of the energy expanded.