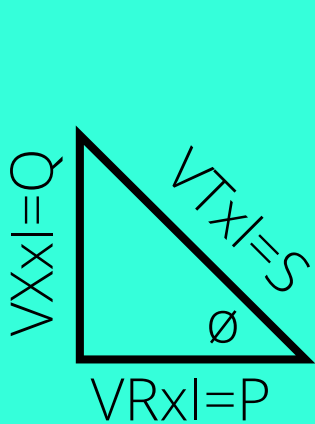


AC Power Triangle

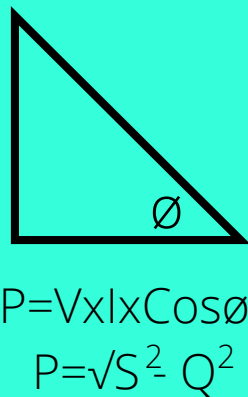
ANALYSED IN DETAIL

ANALYSING
IN 5-EASY STEPS



1

BUILT ON VOLTAGE OR IMPEDANCE TRIANGLES

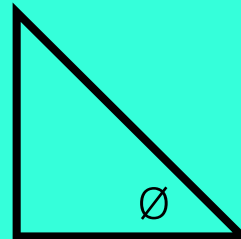


2

TRIANGLE BASE
Real or true power Consumed by circuit resistance. Measured in **Watts**

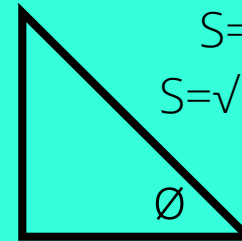
$$Q = VxIxSinø$$

$$Q = \sqrt{S^2 - P^2}$$



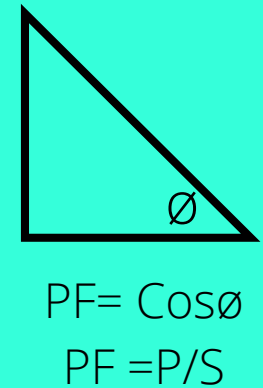
3

TRIANGLE VERTICAL
Reactive power stored and released. NO power consumed. Measured in Volt Amps Reactive. **VAR**



4

TRIANGLE HYP
Apparent power. Seems to be power but is not. Measured in Volt Amps. **VA**



5

PHASE ANGLE OR POWER FACTOR
Measure in degrees