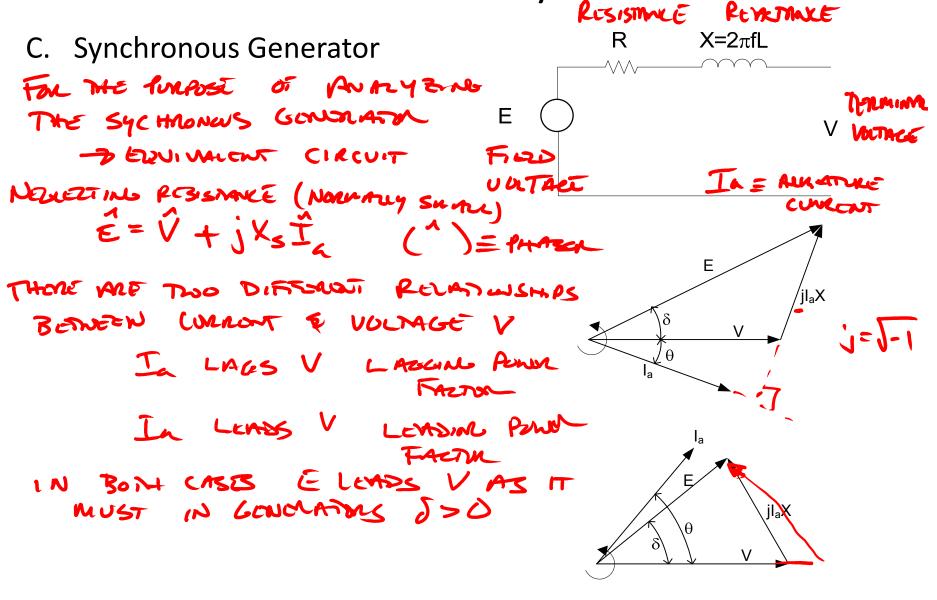
C. Synchronous Generator Stator (armature) PRINCIPLE OF OPERATION BOTH STATOR & ROTT Rotor (field) HAVE ROTATING MACNETIC ANLLE BETWEEN FELD IF THUS ROTATE ALIGNOD > POWDE MAKE 5 TO REMUGN MON IF FELDS BEZONE MISMIGNED BY DISPLAZING RETTR ATMORE IS PRODUCED TO RETRICH TERM IF AN GIBANA TORQUE IS PRIVIDED TO THE ROTOR THE FIERD UNINT BE SUMMED (SUPPRESIDEN) TO PEDUCE NET



BUTH ARE NEEDED

C. Synchronous Generator

MUST DISCUSS APPARENT, RUAL & REARINE PENEN

RETTL ALWON

P= Vms Ims cosa

REARN UT PRINT

ASSOCIATED WITH CREATINGUE OX INDUTTANTÉ

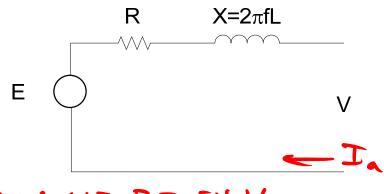
PMERY RESISTUE CIRCUIT

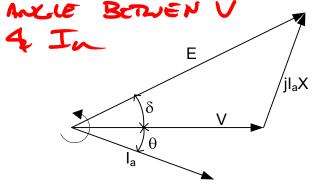
8-30 & NO KOAZNO PANON

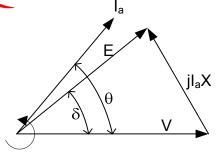
WITH MAN, PURTY

$$P = \frac{|\dot{\epsilon}||V|}{xs} \sin \delta$$

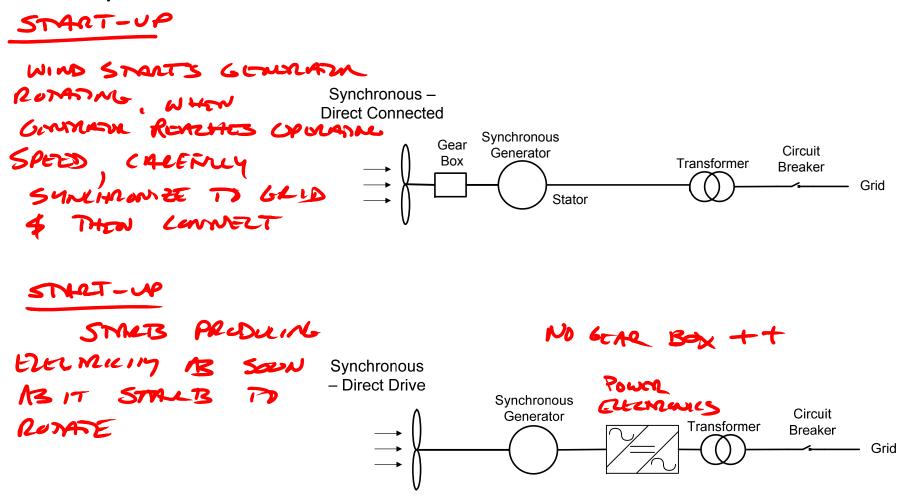
$$Q = \frac{|\dot{\epsilon}||\dot{V}|}{x} \cos \delta - \frac{|\dot{V}|^2}{x}$$







C. Synchronous Generator



D. Induction Generator

DESIGN FEATMES SMAN WITH MUTIPLE WINDINGS ROTOR - CONDUCTING BARS PULL EXTERITED FROM STATEM AUTENATIVE DESIGNS · Romas ALE would Asso o funce From Bern Runn & STATON (DFIG) DOUBLY FOD INDUCTION GOOMAN DUSION CHARLONGES • ERTORAGE CONSTANT FREGUNEY SCURE TO CONTROL RUTATION SPEEDS • CATERNAL SOUNCE OF REMETIVE POWER " OFFEN OPORTE WITH POOR RUCK FRETZING CHOOK EVERTEUR DESIGN ME/ESE 4470 – Wind & Tidal Powe WT Aerodynamics- 14