

## LEKSIYA №1

### MAVZU:

ENERGETIKADA ELEKTR HISOBLASH  
MASHINALARI (EHM) NI QO'LLASHNING  
DOLZARBLIGI

### AJRATILGAN

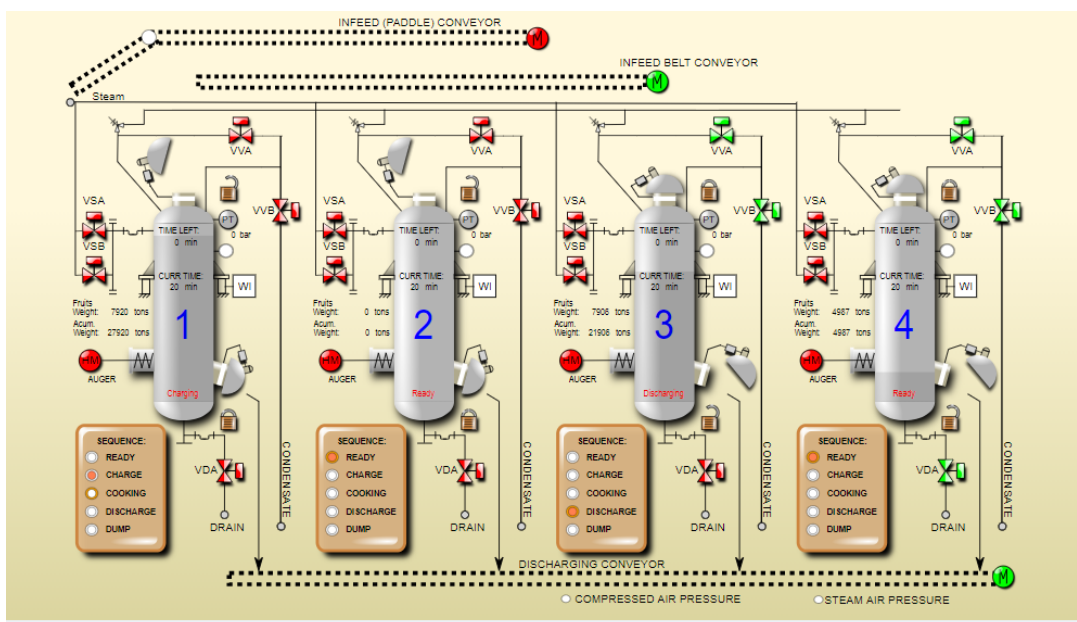
### SOAT:

2 soat

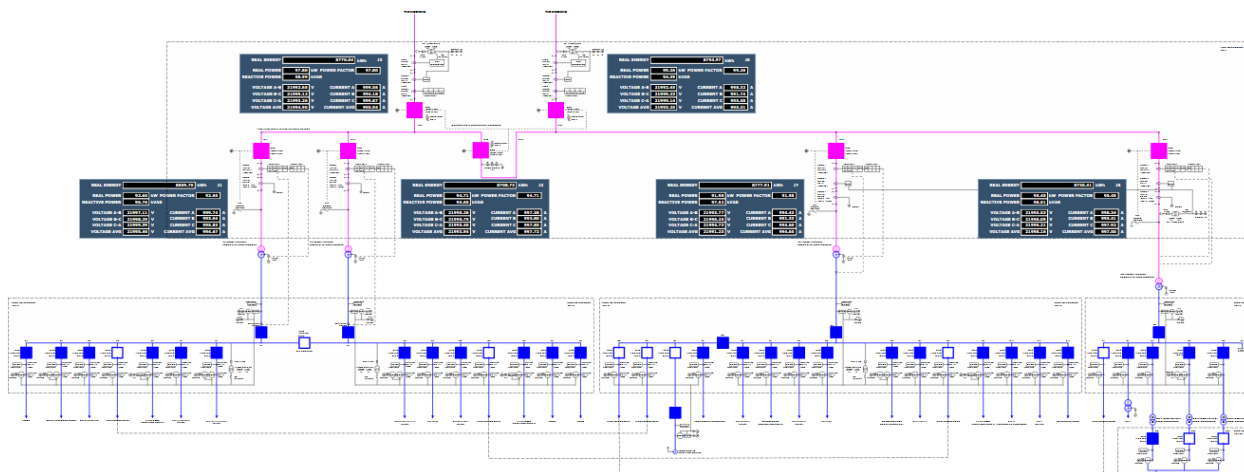
### Ko'rgazmali materiallar:



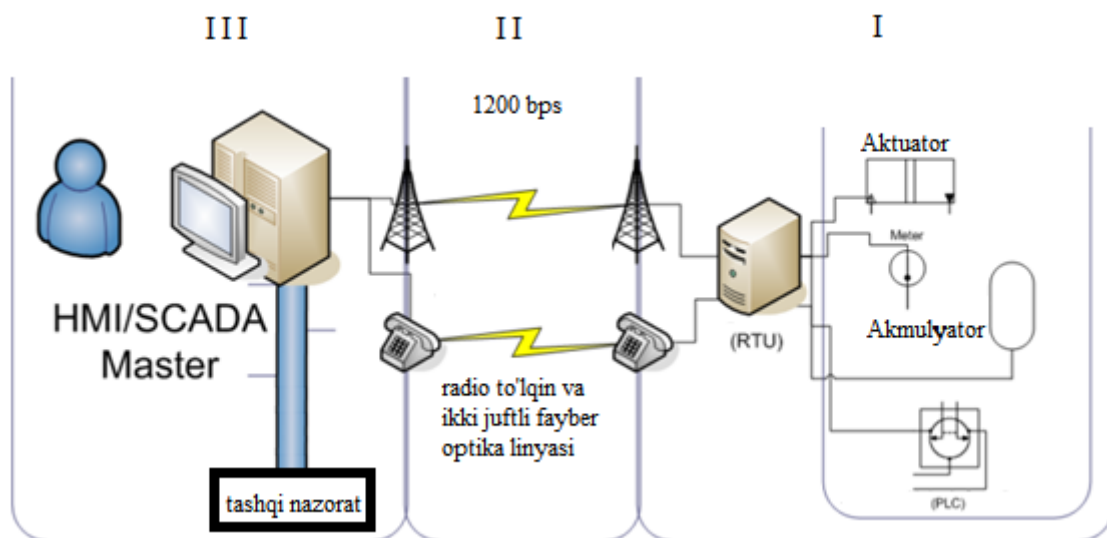
Rasm 1 SCADA sistemasi o'rnatilgan xona



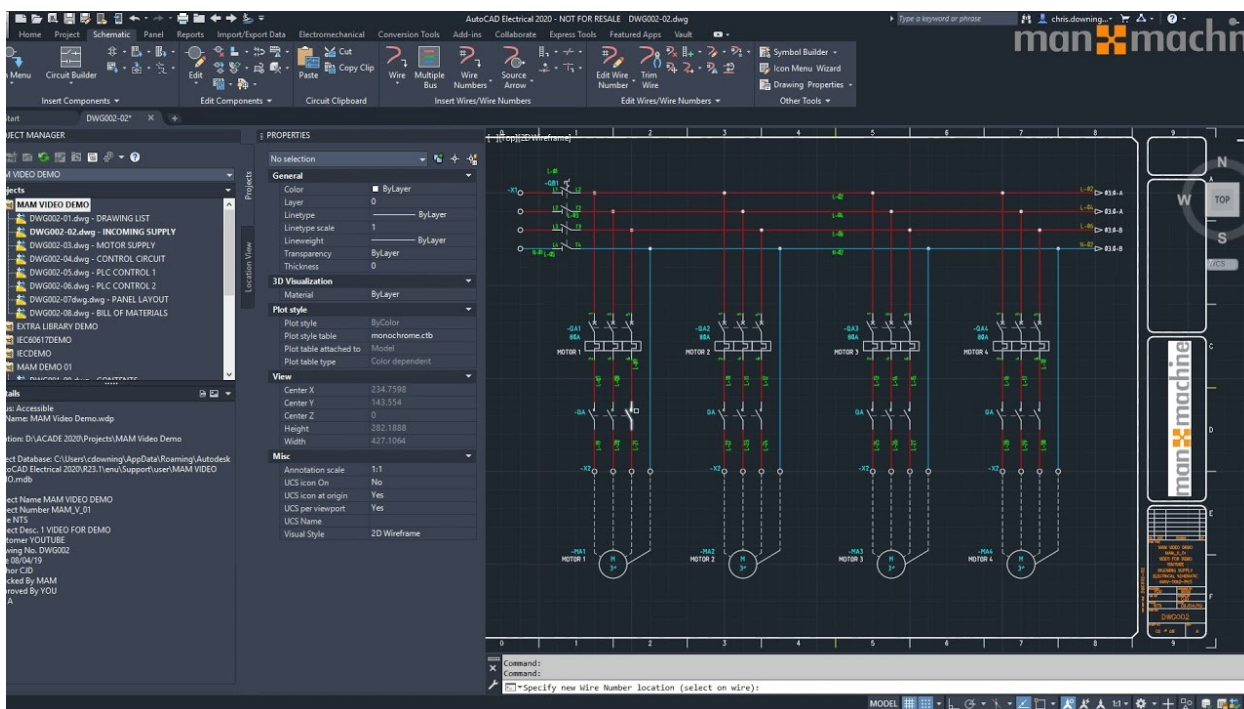
Rasm 2 Zavoddagi jarayonni boshqaruv loyihasi



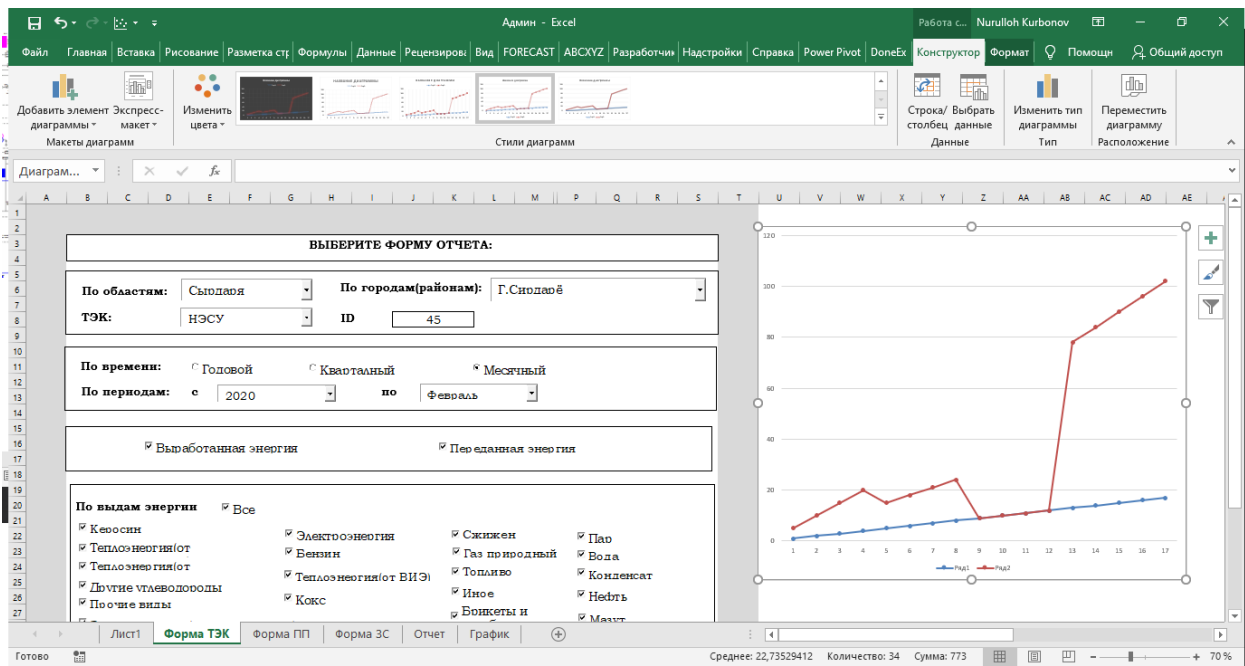
Rasm 3 Elektr ta'minoti sistemalarining loyihasi



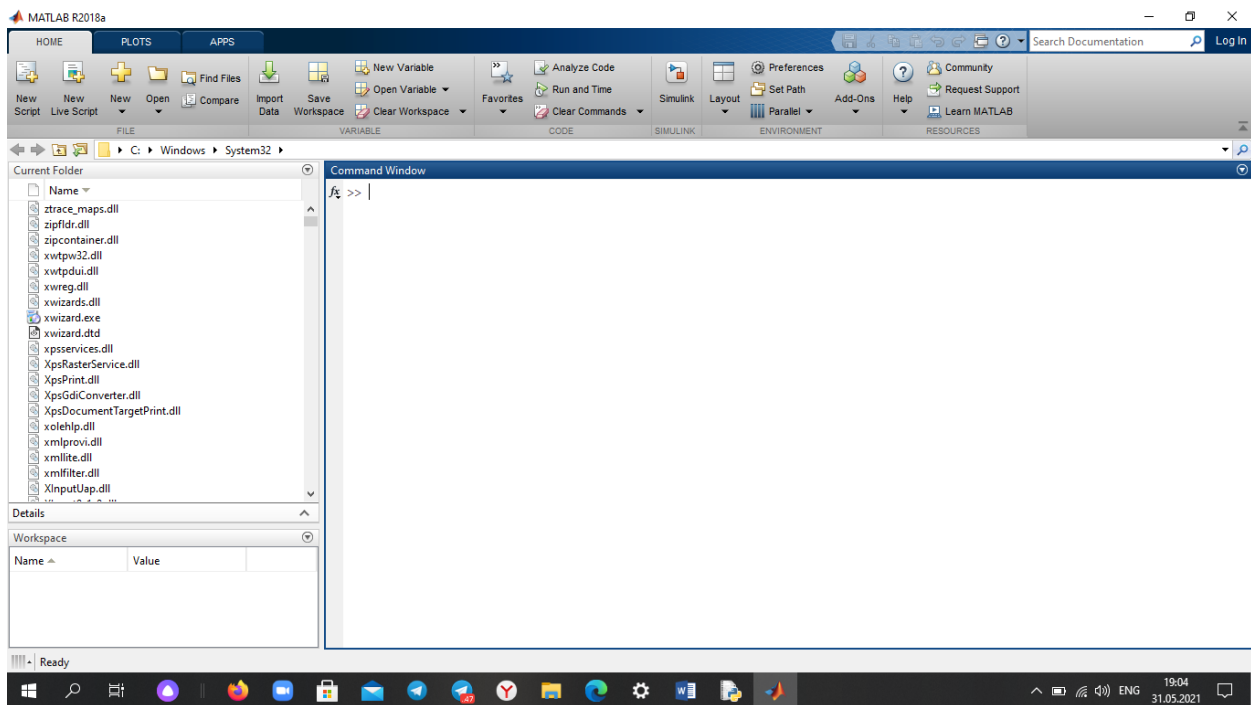
Rasm 4 SCADA ning ishlash prinsipi



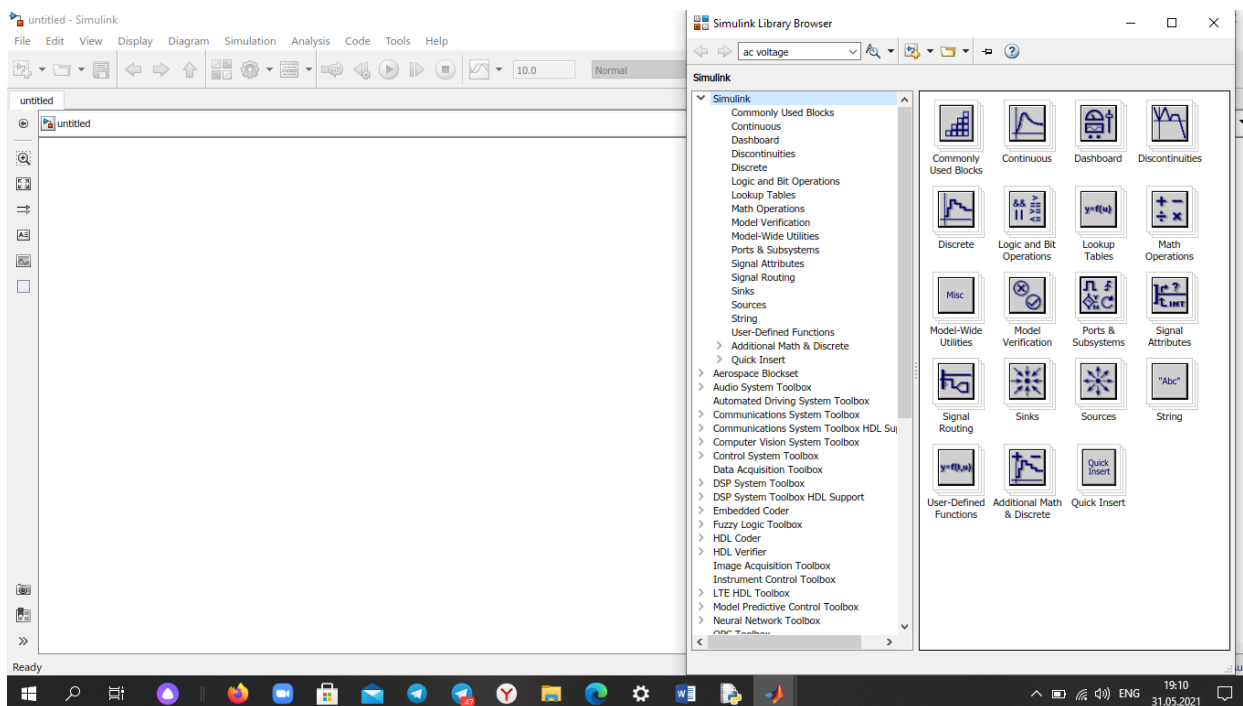
Rasm 5 AutoCAD interfeysi



Rasm 6 MS Excel interfeysi



Rasm 7 Matlab muhitining interfeysi



*Rasm 8 Simulink ishchi oynasi va kutubxonalar bo'limi*

### **Nazorat savollari:**

- 1 2019 yil ma'lumotlariga ko'ra energiya iste'moli qanday bo'lgan?
- 2 EHM nima va uning turlarini sanang
- 3 Modellash va model nima?
- 4 Dasturlash turi va IDE ning farqi nimada?
- 5 Energetik dastur turlari qaysilar?
- 6 SCADA nima va qanday vazifalarni bajarishga mo'ljallangan?
- 7 SCADA tomonidan nimalar boshqariladi?
- 8 SCADA boshqaruv tizimi necha qismdan iborat?
- 9 Aktuator, PLC va RTU qurilmalari nima vazifalarni bajaradi?
- 10 SCADA qurilmalari o'rtasida axborot almashish tezligi qancha?
- 11 AutoCAD, MS Excel, Matlab dasturlash muhitlarining qo'llanilish sohalarini sanang.
- 12 Simulink nima?