“To’raqo’rg’on IES qurish direksiyasi” UK KS BGQ sehi smena boshlig’i Yuldashev Akmaljonning texnik o’quv mashg’uloti uchun tayyorlagan TAQDIMOTI

Reja:

- “M701F4” Gaz turbinasining ishlash prinsipi va texnik harakteristikasi.
- “NOOTER ERIKSEN” qozon utilizatorining konstruksiyasi va texnik harakteristikasi.
- “TC 2F-40.5” Bug’ turbinasining ishlash prinsipi va texnik harakteristikasi.
- Gaz siquv kompressorini ishlash prinsipi va texnik harakteristikasi.

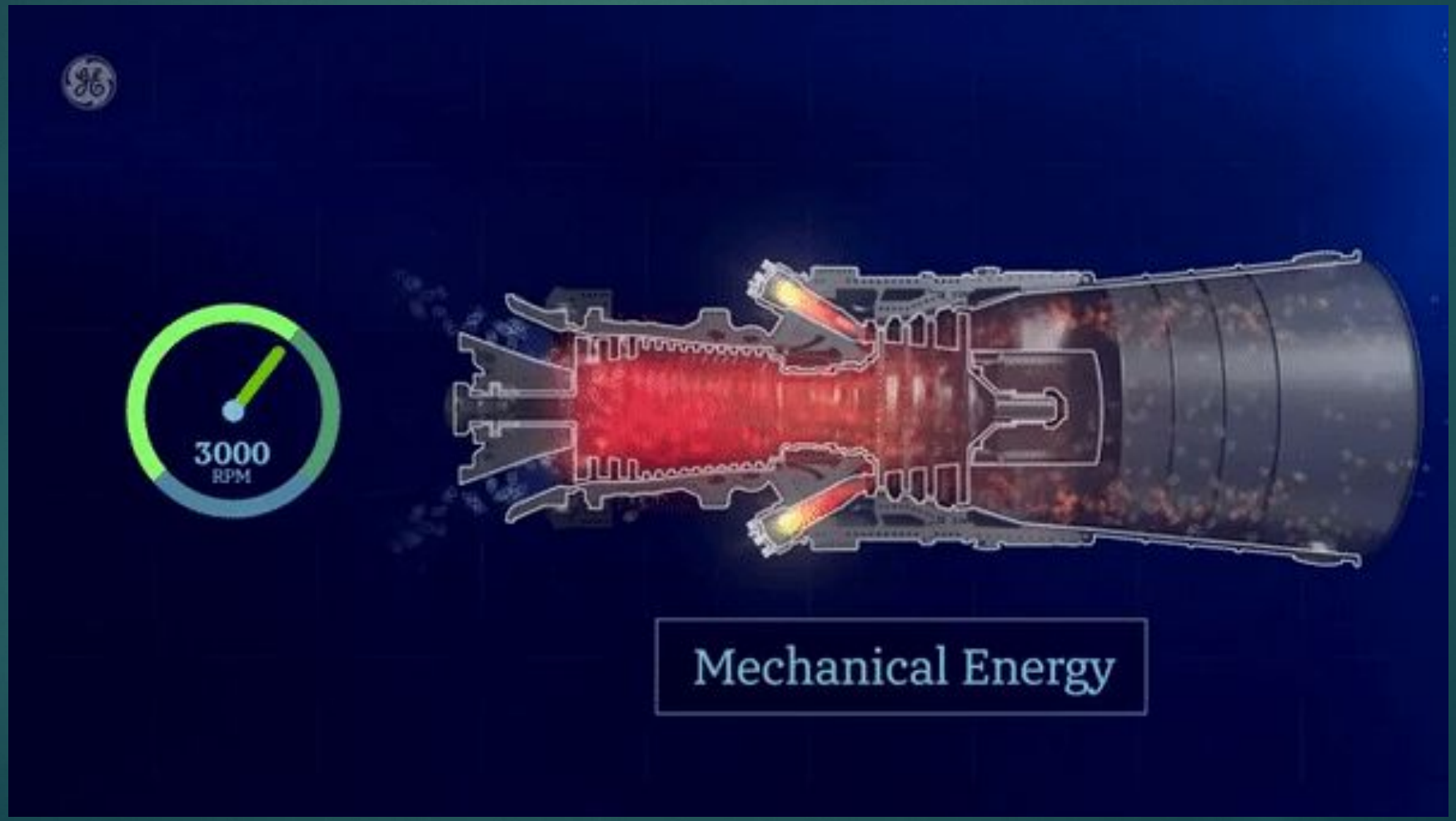
“M701F4” Gaz turbinasining ishlash prinsipi va texnik harakteristikasi.

GT ning texnik harakteristikasi:

- Marka: M701F4
- Vallar soni: 1
- Nominal aylanishlar soni: 3000 ay/min
- Nominal quvvat: 336.6 mW
- Xalqaro standartlar (ISO) uchun gaz turbinalarning quvvat ko'rsatkichlari odatda havo harorati 15 °C, nisbiy namlik 60% beriladi.

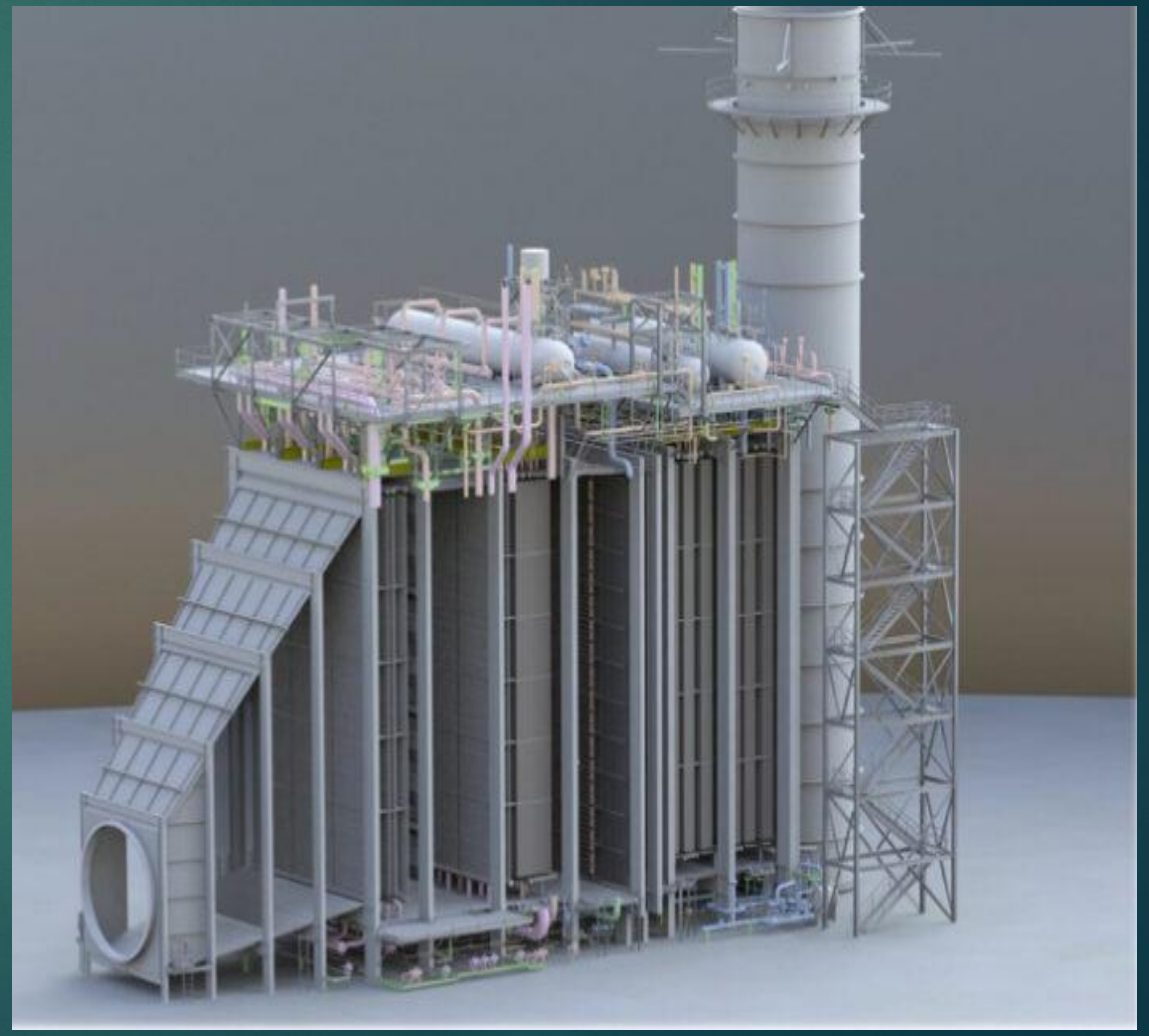
Gaz turbinasi ishlash prinsipi

- Gaz turbinasi bu toza xavo va tabiiy gazni aralashtirib yondirish natijasida ajraladigan issiqlik energiyasini mexanik energiyaga aylantirib beruvchi qurilmadir.



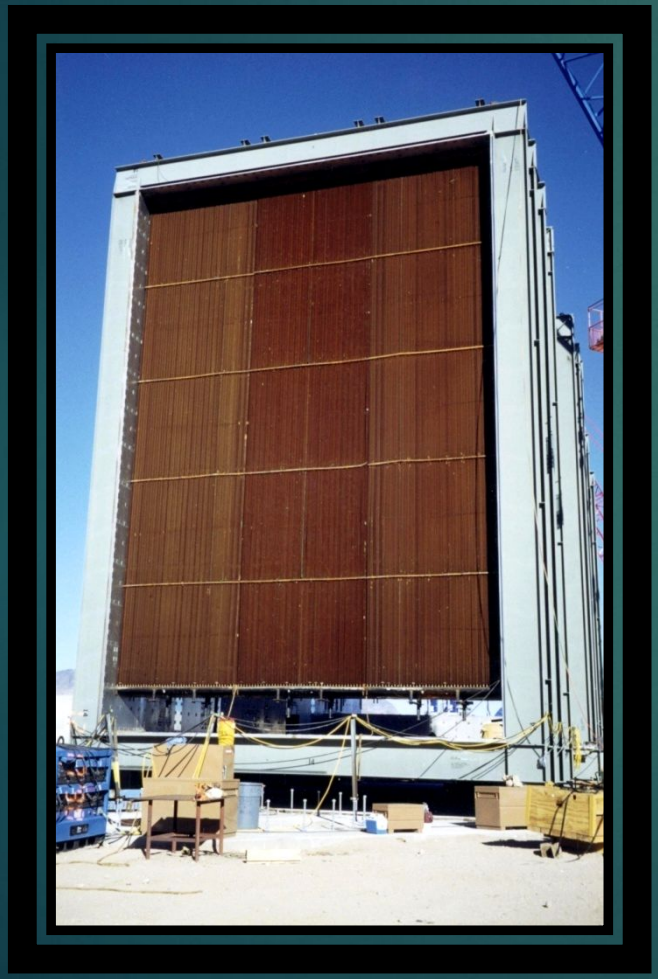
“NOOTER ERIKSEN” qozon utilizatorining konstruksiyasi va texnik harakteristikasi

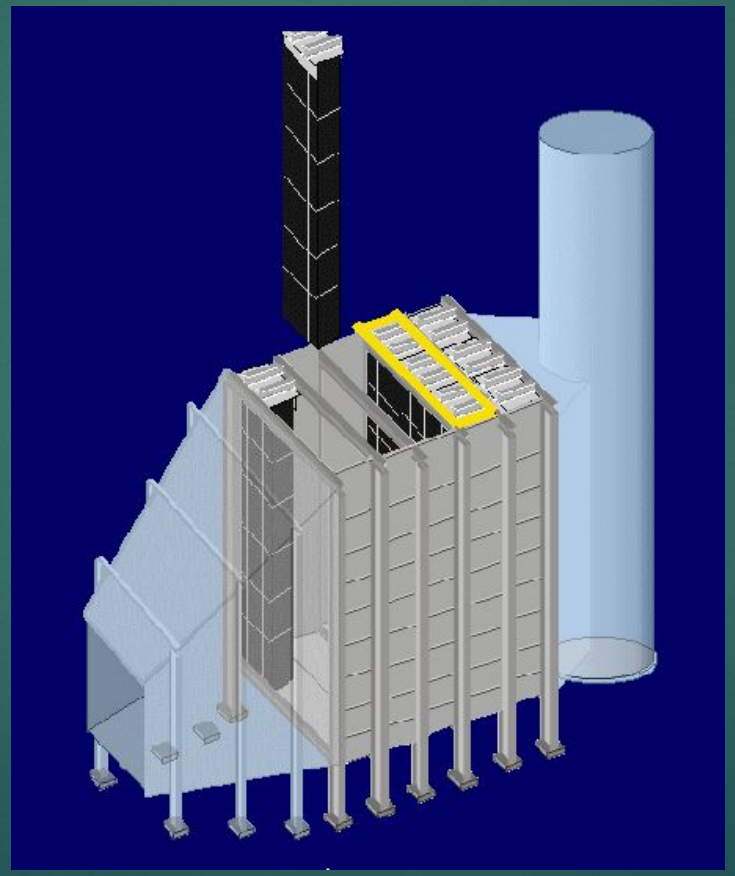
- HRSG ning texnik harakteristikasi:
- Marka: HRSG for M701F4
- Seriya nomer: 170500
- Bug’ ishlab chiqarish quvvati:
- Y/B bug’ bosimi: 126.4 Bar
- Y/B bug’ : 306 t/soat
- O’/B bug’ bosimi: 32.8 Bar
- O’/B bug’ : 71.6 t/soat
- P/B bug’ bosimi: 5.4 Bar
- P/B bug’ : 53.4 t/soat



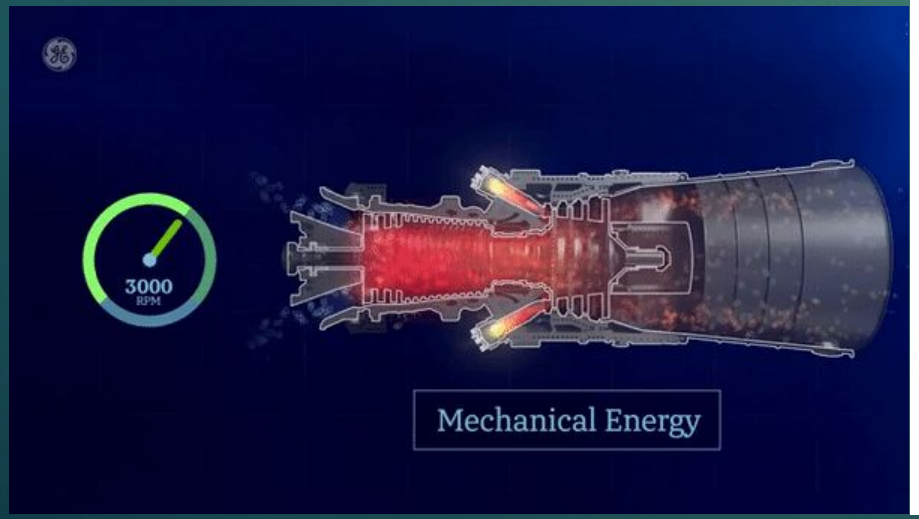
NOOTER/ERIKSEN

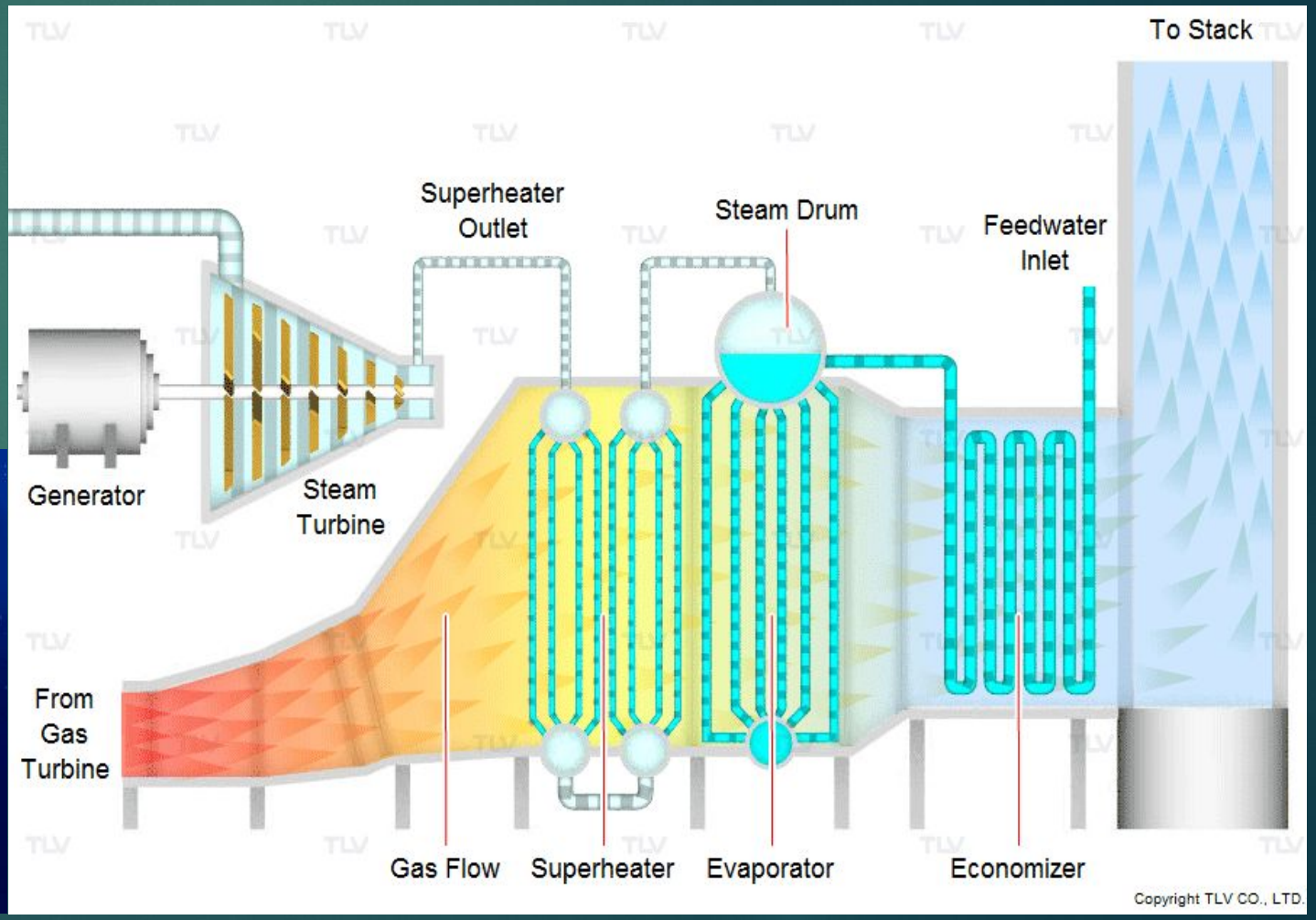
“NOOTER ERIKSEN” qozon utilizatorining konstruksiyasi





Gaz turbinasi va Qozon utilizatorining ishlash prinsipi sodda ko'rinishda



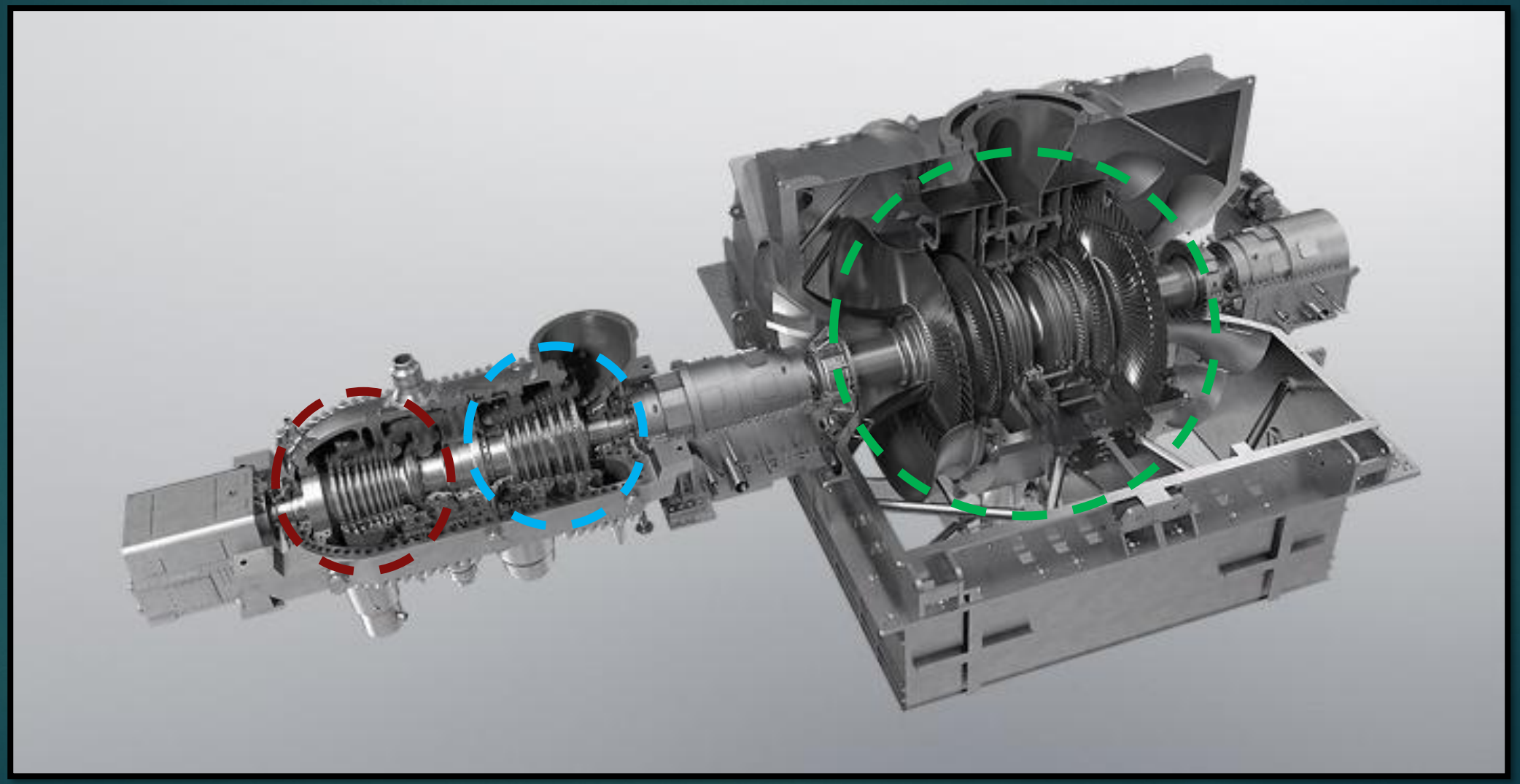


“TC 2F-40.5” Bug’ turbinasining ishlash prinsipi va texnik harakteristikasi.

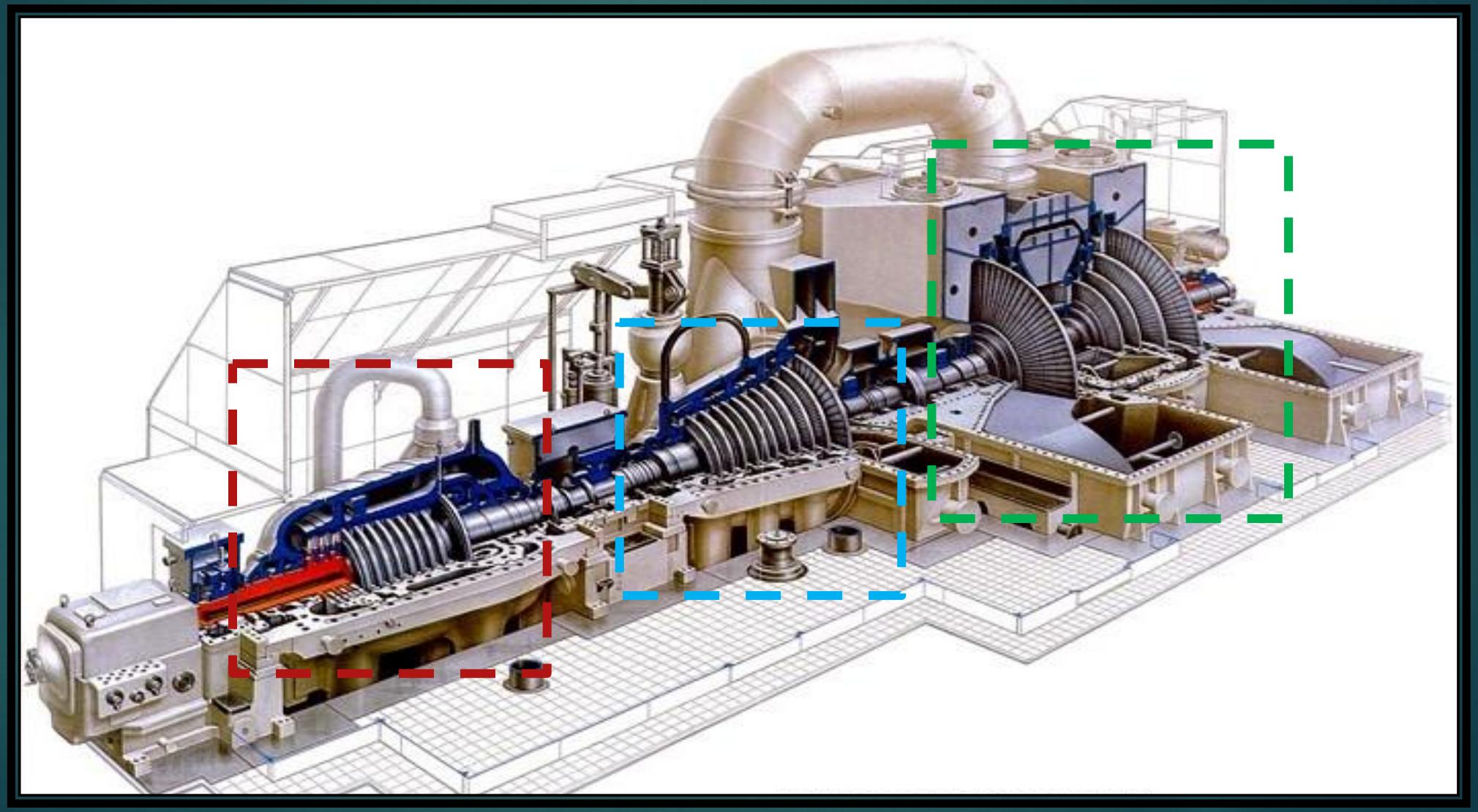
- BT ning texnik harakteristikasi:
- Marka: TC 2F-40.5
- Nominal aylanishlar soni: 3000 ay/min
- Nominal quvvat: 167.5 mW
- Y/B bug’ bosimi: 123.4 Bar
- Y/B bug’ xarorati: 560.4 C
- O’/B bug’ bosimi: 29.6 Bar
- O’/B bug’ xarorati: 565.8 C

- Bug’ turbinasi bug’ning potentsial energiyasini kinetik energiyaga, so’ngra aylanuvchi valning mexanik energiyasiga aylantiruvchi turbina. Qozonlarda ishlab chiqarilgan yuqori bosimli bug’, bug’ turbinasining ishchi parraklariga yo’naltirilishi xisobiga turbina ish bajaradi.

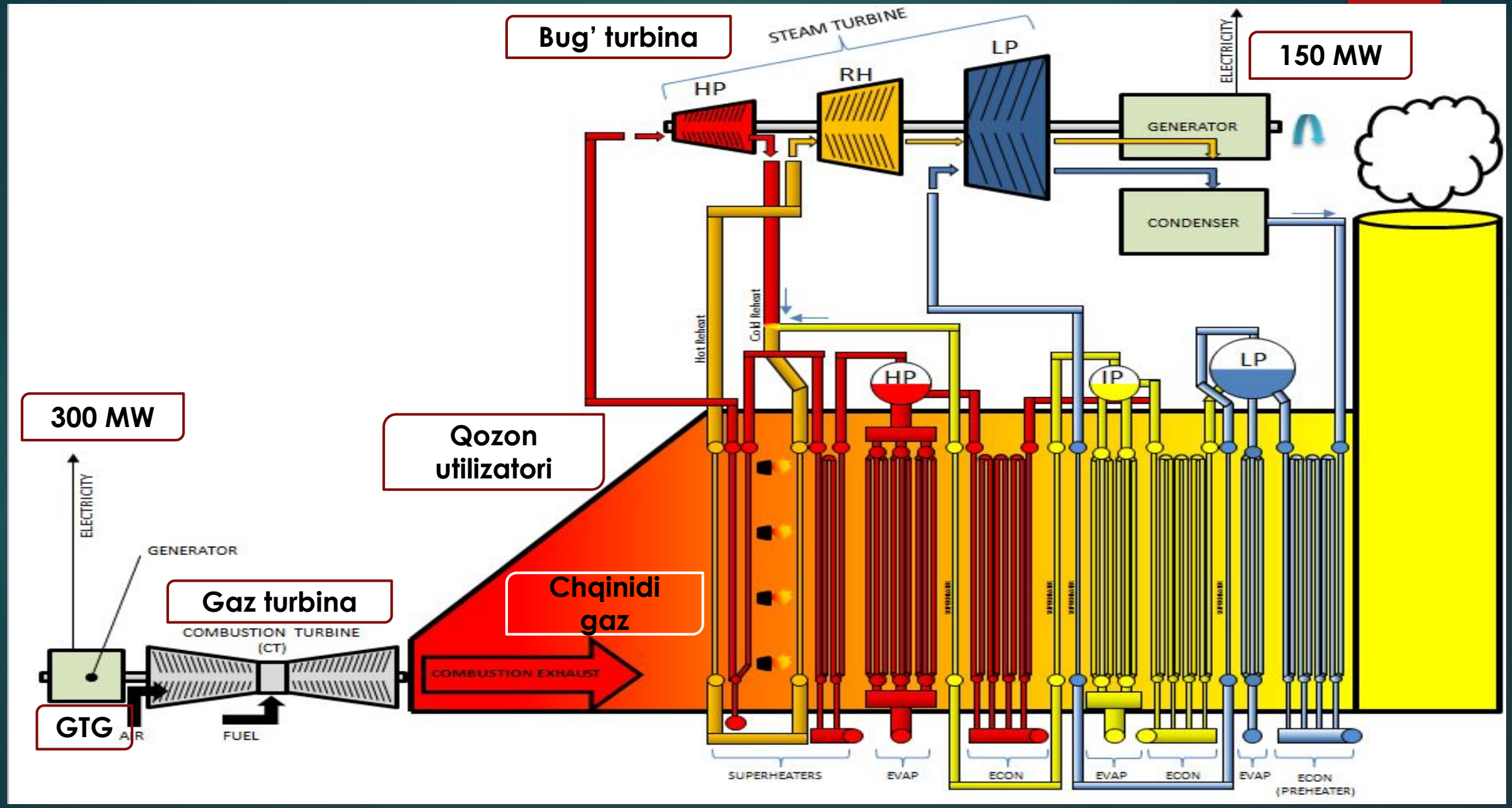
“TC 2F-40.5” Bug’ turbinasining ko’rinishi



Bug’ turbinasining soddalashtirilgan ko’rinishi.

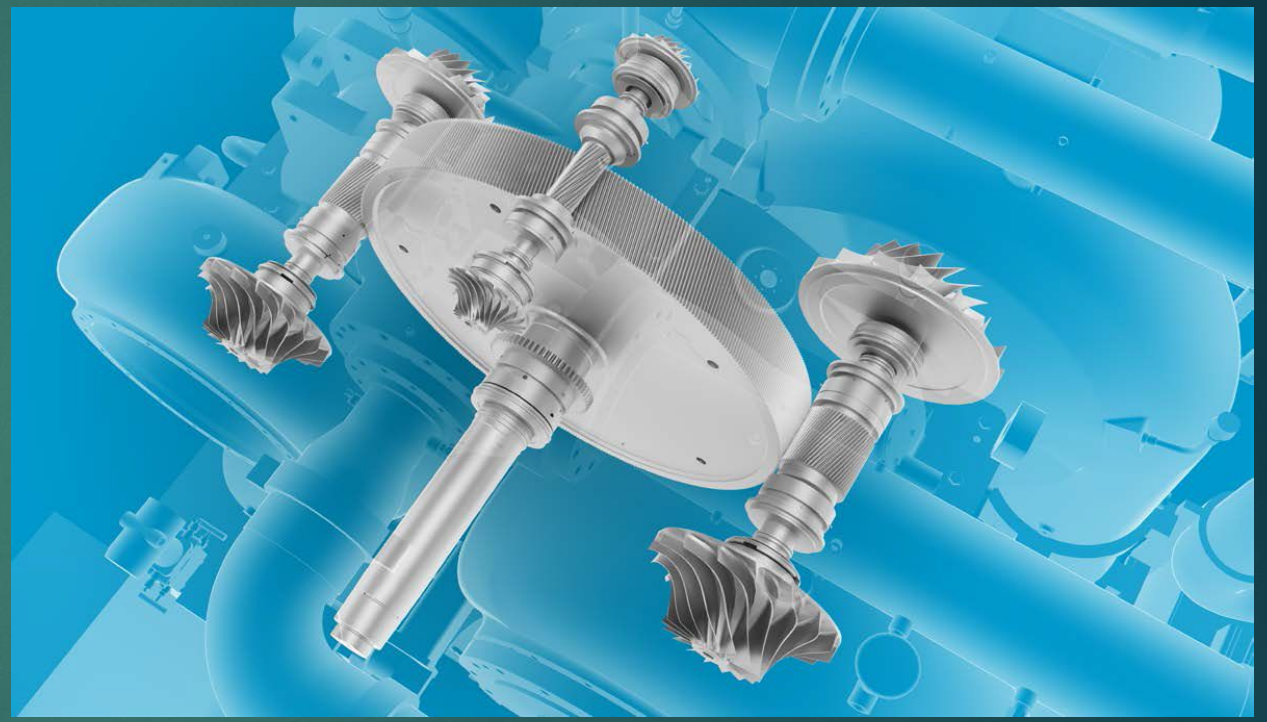


C/C da Energoblokning ishlash prinsipi

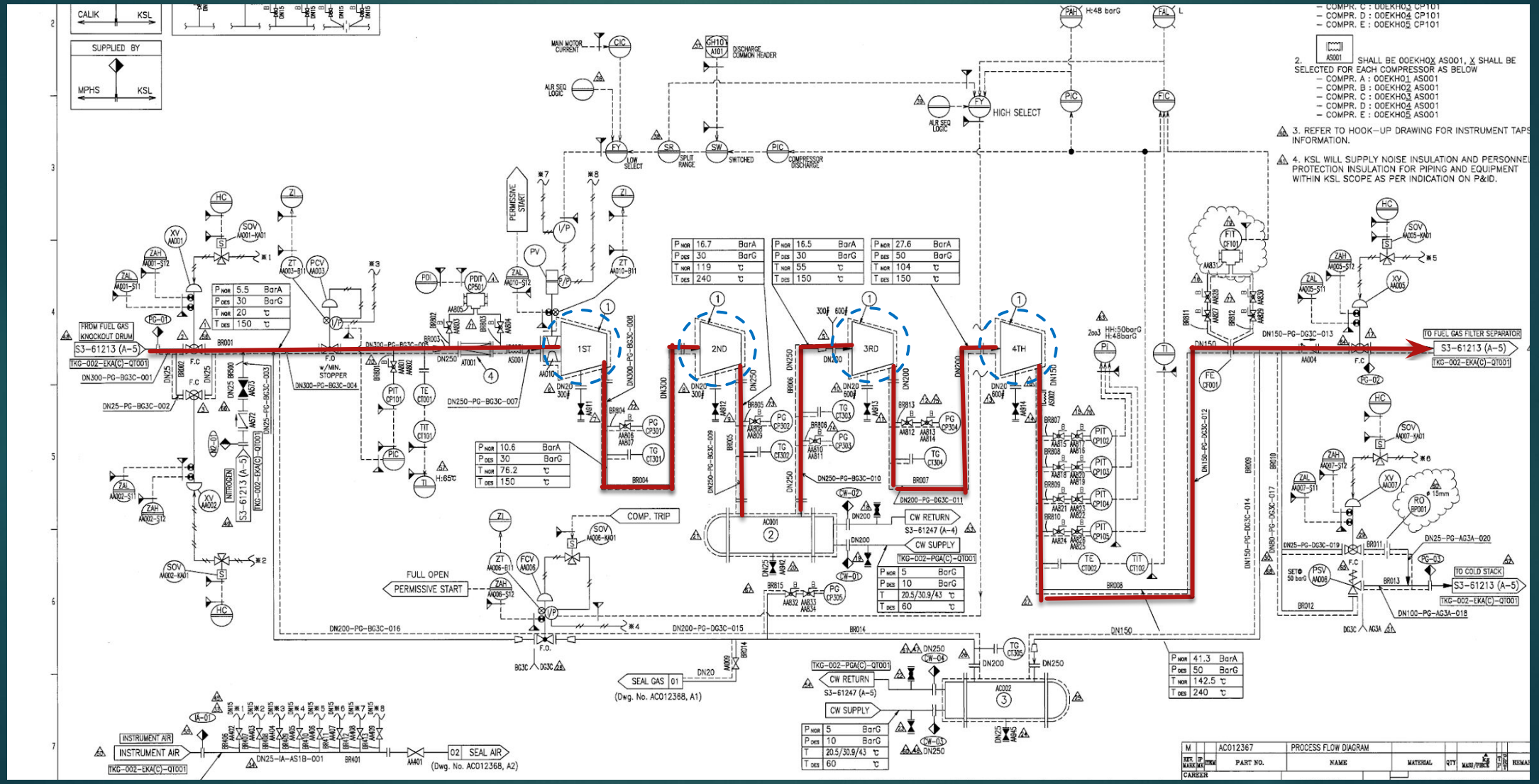


Gaz siquv kompressorini ishlash prinsipi va texnik harakteristikasi.

- GK Kobelco ning texnik harakteristikasi:
- Marka: VGSP150 (Four stage)
- Aylanishlar soni (1&2St/ 3&4St): 20500/22960 ayl/min
- Nominal quvvat: 4.6 mW
- Kiruvchi gaz bosimi: 5.8 – 9.0 Bar
- Stupenlardan chiquvchi gaz bosimi va xarorati:
- 1st chiqish: 10.6 Bar T=76 C
- 2st chiqish: 16.7 Bar T=119 C / 55 C
- 3st chiqish: 27.6 Bar T=104 C
- 4st chiqish: 41.3 Bar T=142 C



Gaz siquv kompressorini ishlash prinsipi




E’tiboringiz uchun
rahmat!