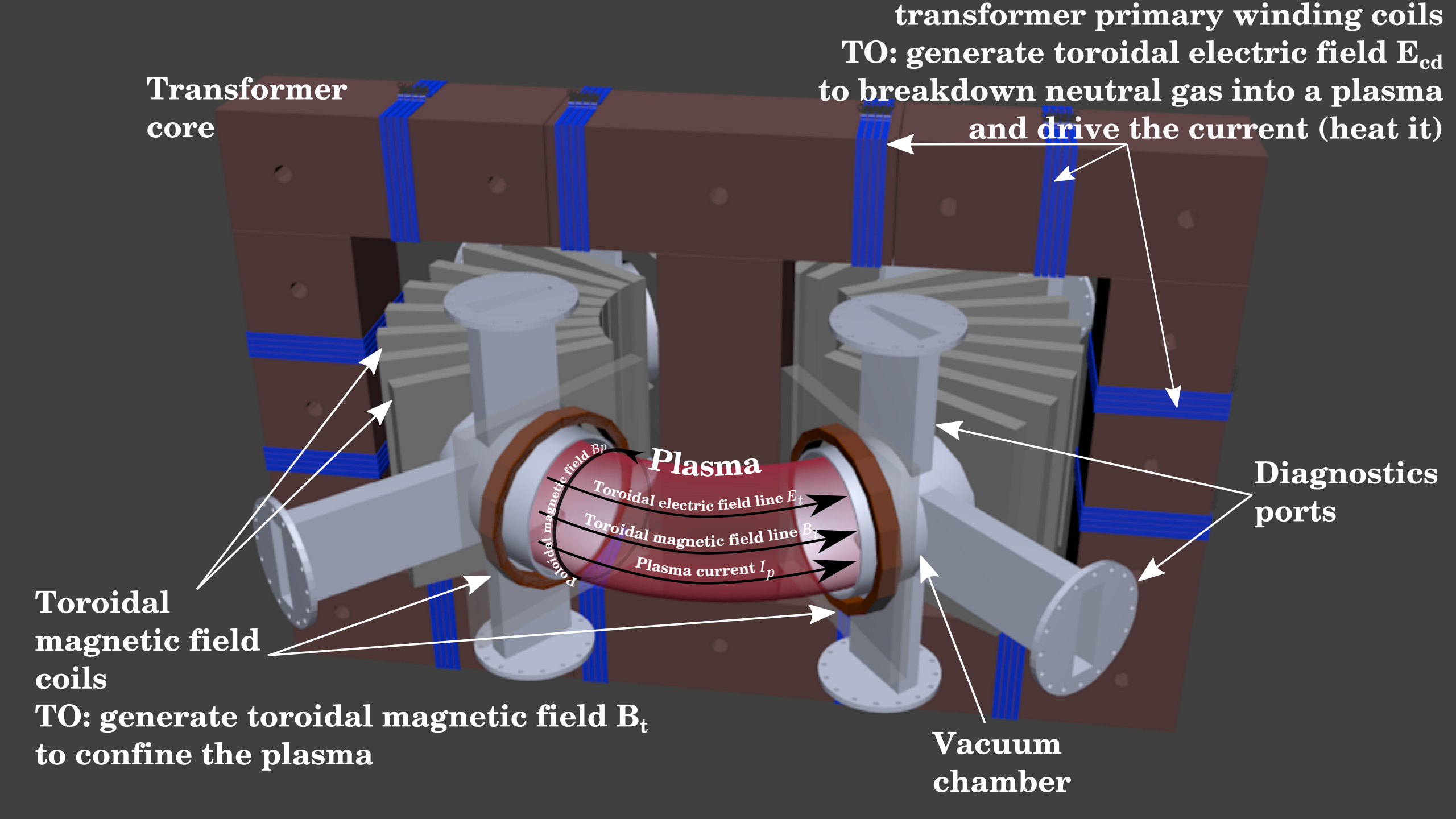
transformer primary winding coils
TO: generate toroidal electric field E_{cd}
to breakdown neutral gas into a plasma
and drive the current (heat it)
Transformer
core
Plasma
Toroidal electric field line E_t
Toroidal magnetic field line B_t
Plasma current I_p
Poloidal magnetic field B_p
Diagnostics
ports
Toroidal
magnetic field
coils
TO: generate toroidal magnetic field B_t
to confine the plasma
Vacuum
chamber