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Within a typical electric propulsion system, three-phase alternating current (AC) diesel-generator sets feed a fixed frequency high voltage electrical bus that, in turn, feeds the electrical propulsion motor and other consumers. In most cases, there is a transformer after this bus and an electric propulsion motor drive.

Understand systems trade offs in developing preliminary power system design for a vessel. Textbooks. Woud, Hans Klein, and Douwe Stapersma. Design of Propulsion and Electric Power Generation Systems. London, UK: IMarEST, (Institute of Marine Engineering, Science and Technology), 2002. ISBN: 9781902536477. Other References

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