Amps:

Just about every analog block requires an amplifier…

* Voice → Microphone → Analog Filter → A/D → μP

* μP → D/A → Analog Filter → Speaker → Ear

* Analog Components: Power System, Analog Filters, A/D, D/A, PA, LNA, Mixers

* Power System: Dynamic Supplies, Voltage Regulators, Voltage References, Supervisor Ckts., System-Mode Control, Protection Ckts., etc. – Housekeeping…