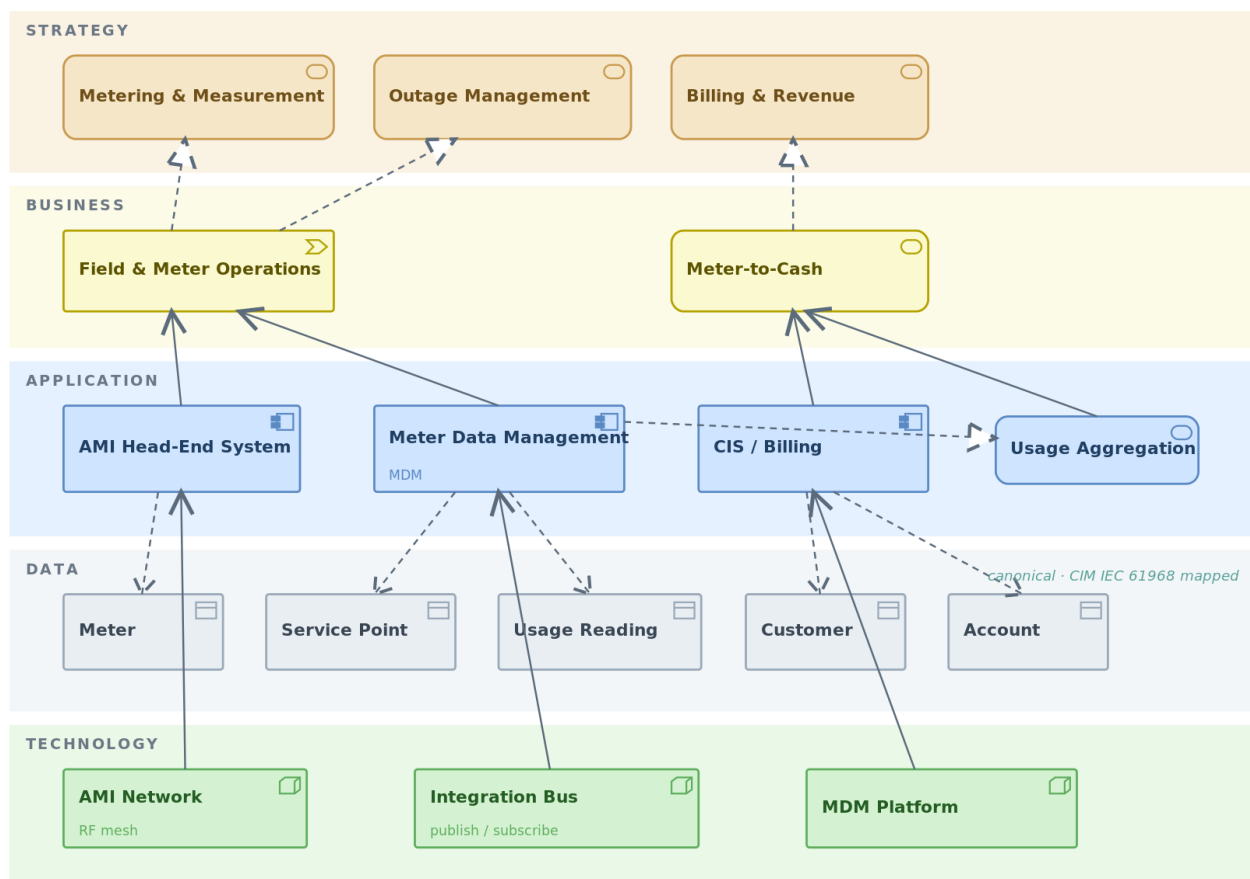




Utility Architecture Foundation

Sample excerpt · AMI / metering reference slice

The Foundation is the standards-based ArchiMate foundation the rest of the catalog extends — a modeled baseline an electric-utility EA team licenses and customizes to its own organization, instead of rebuilding capability maps, a canonical data model, and integration patterns from a blank canvas.





Canonical data model — excerpt

Canonical entity	Key attributes	CIM mapping (IEC 61968)
Meter	meter_id · type · install_date · status	Meter
Service Point	sp_id · premise · phase · status	ServiceDeliveryPoint
Usage Reading	interval · value · uom · timestamp	IntervalReading
Customer	customer_id · name · class	Customer
Account	account_id · balance · terms	CustomerAgreement

The full Foundation pack includes

- ▶ Domain-tuned ArchiMate meta-model (.archimate) across Business / Application / Data / Technology
- ▶ Capability catalog skeleton — utility-generic capabilities, levels 1-3 (ArchiMate views + Excel)
- ▶ Canonical data model — core entities with attributes and relationships (JSON Schema + ERD + Excel)
- ▶ Standards mapping — CIM (IEC 61968/61970), MultiSpeak, OpenADR crosswalk
- ▶ Integration pattern library — request/reply, pub/sub, ETL, event-driven, edge sync (sequence diagrams)
- ▶ Vendor-agnostic technology reference, and a self-administered maturity assessment template

Meta-model contract: the pack names what is stable (core element types, layer rules, capability levels 1-3, canonical entities), what is pluggable (domain entities, compliance overlays, levels 4+), what a customer may customize (aliases, additive attributes), and what would break the contract — so every domain pack extends the foundation instead of fighting it.