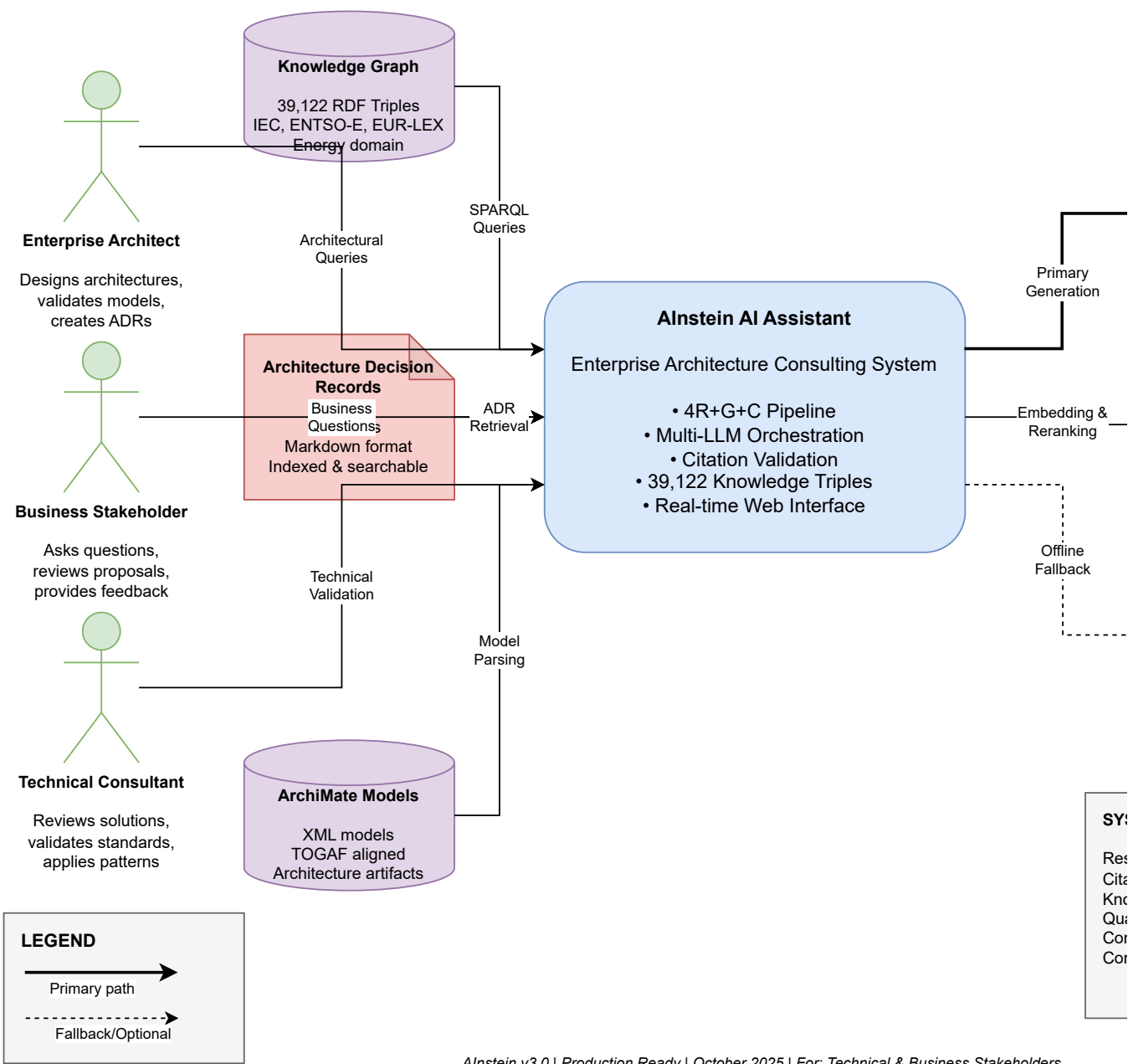
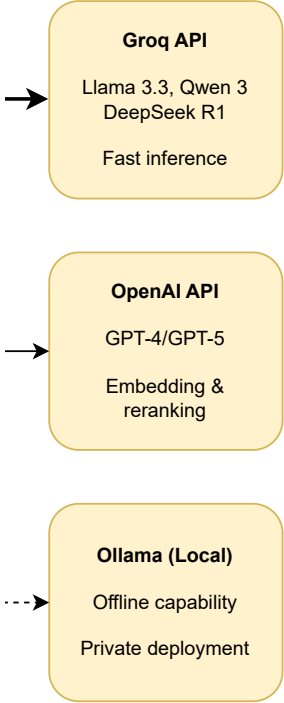


Alnstein AI Assistant - System Context

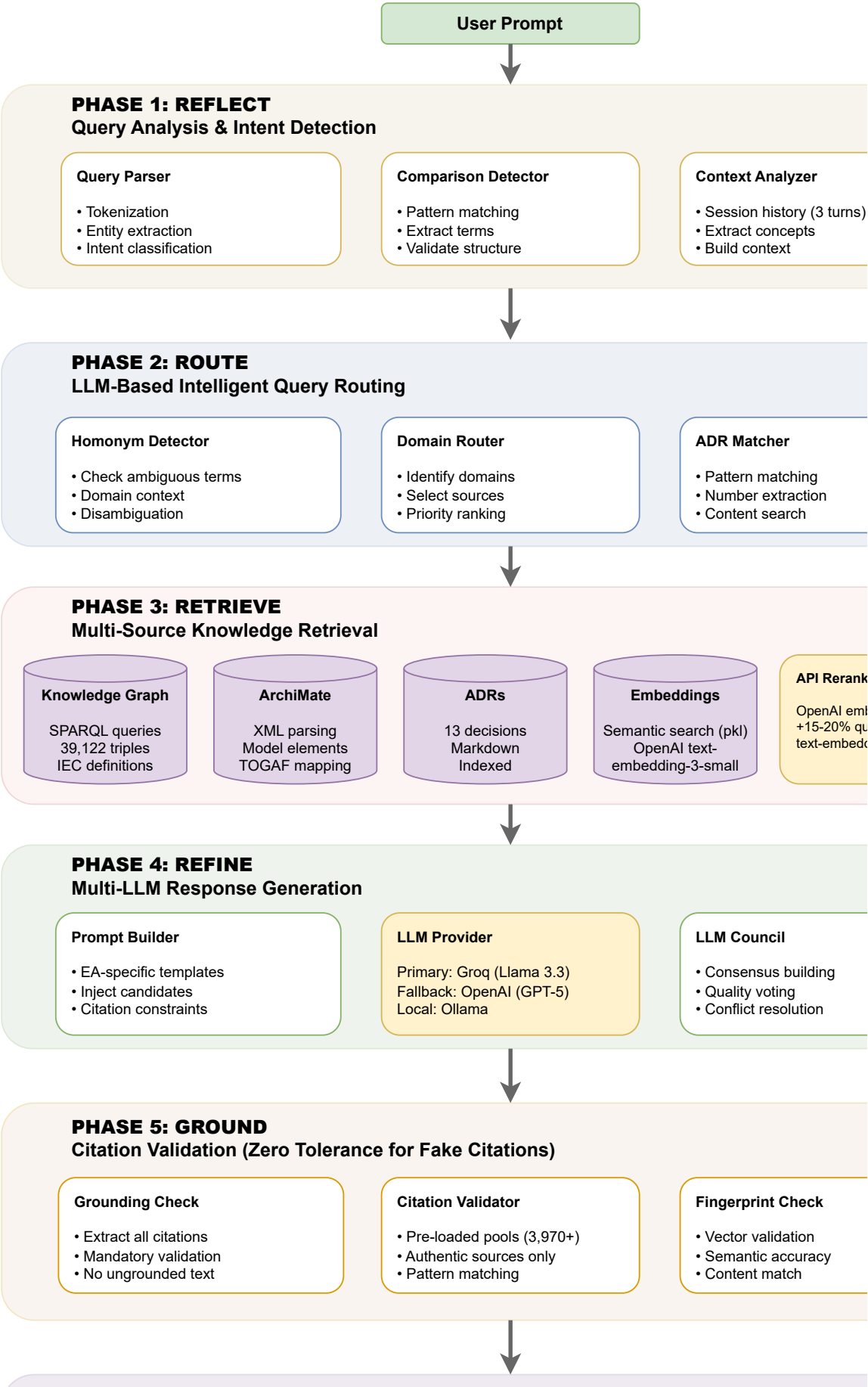


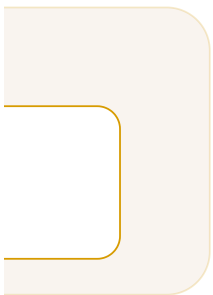
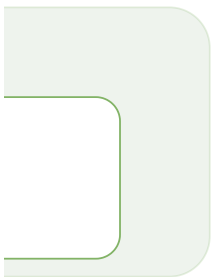
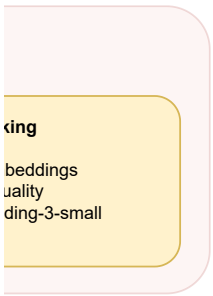
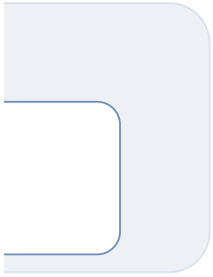
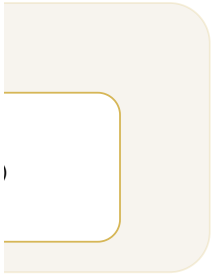


STEM METRICS

sponse Time: < 3s P50
ation Accuracy: 100%
nowledge Coverage: 39,122 triples
ality Improvement: +15-20% (API reranking)
nfidence Threshold: 0.75
ncurrent Users: 50+

Alnstein 4R+G+C Pipeline Architecture





PHASE 6: CRITIC
Quality Assessment & Confidence Scoring

Quality Assessor

- Completeness check
- Relevance scoring
- Accuracy validation

Confidence Calculator

- Source quality weighting
- Coverage analysis
- Uncertainty quantification

Human Review Trigger

- Threshold: 0.75
- Auto-flag low confidence
- Audit trail logging



FINAL RESPONSE

- ✓ Cited answer with authentic sources
- ✓ High confidence score
- ✓ Low response time (SLAs)
- ✓ Minimal human input needed
- ✓ Full audit trail recorded

