Bridge Neural Network Architecture

Transformer Language Model

- Input Embedding Layer
- Transformer Layer 1-3
- Transformer Layer 4 (Bridge 1)
- Transformer Layer 5-7
- Transformer Layer 8 (Bridge 2)

Bridge Detector

Query Encoder

Response Integrator

External Knowledge Service

Legend:
- Standard Transformer Layer
- Bridge-Enabled Layer
- Bridge Neurons (3-5%)
- Bridge Components
- External Knowledge Service