OUR PARTNERS

- **Pure Thought Inc:** Newly established U.S.-based C-Corp (previously operating as SAGI LLC).

- **Proprietary Technology:** Pure Thought, as the sole owner of all SAGI-developed AGI assets, patents, and software, leads in creating artificial brains that replicate human cognition through biomimicry and advanced computer science.

- **Exclusive Distribution:** FTL holds primary distribution rights for Pure Thought's AGI products, specifically targeting the U.S. DoD, DoE, and Aerospace & Defense sectors.

FTL INFORMATION TECHNOLOGY

ARTIFICAL GENERAL INTELLIGENCE

ARTIFICIAL GENERAL INTELLIGENCE

- **AGI Capabilities**: Understands, learns, and applies knowledge across diverse tasks.

- **Brain Bio-mimicry**: Emulates human cognition to solve complex problems.

- **Efficient Hardware**: Runs on standard CPUs with 80% less energy consumption.

- **Portable**: Compact, Linux-based system.

- **Technical Maturity**: Operates at TRL 9.

  - Currently deployed in support of ICD-10 Coding (Healthcare).

  - Resulting in 98% accuracy in handling structured and unstructured data (e.g., X-rays, ECGs) and translating natural language.
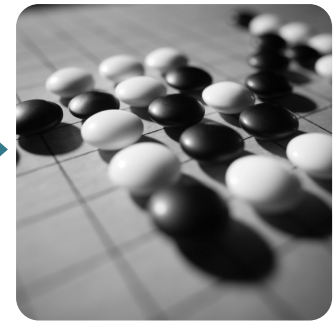
GENERATIVE AI VS AGI
ADAPTABILITY CONCEPT

SCENARIO:
A GAME OF ALPHA GO IS SET UP ON A TRADITIONAL RECTANGULAR BOARD.

CHALLENGE:
THE BOARD SUDDENLY CHANGES TO A COMPLETELY DIFFERENT SHAPE.

AGI RESPONSE:
AGI WILL ADAPT TO THE NEW BOARD, AS IT IS A THINKING MACHINE AND WILL CONTINUE PLAYING.

GENERATIVE AI RESPONSE:
STOP AND DO NOTHING, UNTIL IT IS RETRAINED FOR NEW BOARD SHAPE.

COMPARISON OF TECHNOLOGIES

GENERATIVE AI

- **Datasets:** Large hyperscale environment required to host the training and learning data.

- **Power:** Energy intense at 30-100 kWh+/rack

- **Training:** Training performed by provider.

- **Mini-Brains:** Not an option.

- **Data Privacy:** Data belongs to provider.

- **Thinking:** Learning capable with conditioned output.

- **Operating Environment:** GPU HW.

- **Quantum Neural Networks:** Unavailable.

AGI

- **Datasets:** Between 2-10% of the number of datasets used by generative AI.

- **Power:** Energy efficient – 13.7kWh/rack

- **Training:** Training performed by customer.

- **Mini-Brains:** Downloadable and autonomous.

- **Data Privacy:** Data belongs to customer.

- **Thinking:** Autonomous learning and thinking.

- **Operating Environment:** CPUs and IT infrastructure.

- **Quantum Neural Networks:** Yes, IBM currently.

AGI APPLICATION – ICD 10 CODING

- **Problem**: Hospitals must adhere to ICD-10 coding standards for diagnosis and treatments. However, most hospitals lose up to 35% of reimbursements due to poor-quality coding caused by limited time and personnel.

- **AGI Solution**: Trained by a SME, AGI learned ICD-10 standards, reviewed Electronic Health Records, and interpreted patient language.

- **AGI Impact**:
  - Fully trained AGI brain in **8 weeks**.
  - 100% automation with **95% accuracy** in primary diagnoses & 94% in secondary.
  - Reduced coding time from an average of 1 hour to **30 seconds** per patient.

- **Results**: Significant reduction in diagnostic errors.
  - Increased reimbursements, **millions** in revenue.
  - Currently deployed in 3 hospitals, with 18 additional hospitals requesting access.