

THE BRAIN IS THE ONLY VIABLE TEMPLATE FOR INTELLIGENCE

The brain is a gigantic (bio)logical circuit, the connectome is the map of all neural synapses.

To duplicate the human mind, one must create the brain tissue 1st, so it can be activated.

Neuroscience is required to create complex logical structures & leave mathematics behind.

Since the brain is NOT a computer, this requires a revolutionary new digital technology.



Company

Site <https://www.tipalo.com>

Documents <https://www.tipalo.com/Media/Download/>

Youtube <https://www.youtube.com/watch?v=WJ8GcBK2YgE>

Linkedin <https://www.linkedin.com/company/tipalo/>

CEO portrait

Media <https://asianroboticsreview.com/home555-html>

LinkedIn <https://lnkd.in/e7-tCAjk>



*"Intelligence creates knowledge,
imagination heralds the future.»*

OUR COMPETITIVE ADVANTAGE

Embedded Self-Learning Mechanism to learn on the fly

Accumulates knowledge via episodic memory

Uses an universal format for storing information

*Has pre-defined knowledge according to its species,
defined by body hardware & level of intelligence*

Acting in real-time in the real world via own body

*Tipalo GmbH is a Swiss LLC near Zurich, a fabless AI startup
with own software to pioneer logic applications.*

*We develop COGNITIVE AI as digital brains with
an Artificial Nervous System similar to biological brains.*

*Our AI technology is used for the autonomous control of bodies,
physical as buildings, vehicles, robots or virtual as avatars.*

*The bodies must be equipped with digital devices,
that act as sensors, actuators and their own organs.*

Deploy

Products & services

Edge AI - products

Cloud AI - services

telepresence + evaluation

Colony AI - combined Edge AI + Cloud AI

Evaluation

Reports, by hour/day/week/month for
information by knowledge areas updated

via own experience

shared, with / from others

for all activities, sorted by tasks

Background

Space-time-matter continuum

Space as neighboring cells

Time flow for matter to act + react

Matter = basic components (re)combining

Objects as connected components

TIPALO IN A NUTSHELL Usage

different levels of intelligence,

as single AI or group of AIs

L1 - managers for smart buildings

L2 - pilots for autonomous vehicles

L3 - robotic workes for outer space tasks

Tipalo AI technology

DIGITAL BRAIN WITH
ARTIFICIAL NERVOUS SYSTEM
for buildings, vehicles and robots
with sensors, actors and organs

Development

Framework for cognitive edge AI

Components IP as neural nets

PNN - Programmable Neural Nets

SLM - Self-Learning Mechanism

SAM - Self-Associative Memory

Intelligence

levels as biological equivalent

capacity as max. amount of neurons

L1 - insects, 1M cells

L2 - mammals/fishes/birds, 1G cells

L3 - primates, 10G Cells

Features

Real-time autonomous AI

Self-Learning

Genetic Memory with knowledge areas

Accumulated knowledge via

own / shared experience

Libraries

ANS - Artificial Nervous System, with
neural drivers for sensors/actors/organs

neural apps, e.g. ID, locomotion, tasks

neural storage, e.g. STM / MTM / LTM

Short-/ Mid-/ Long-Term Memory