
HUMAN + AI · CAPABILITY · REALITY

Humans and AI. New capabilities. Real-world outcomes.

The Human–AI Reality Infrastructure Company

Distributed GenAI-Native
Capability Production Infrastructure

HSIMC builds the infrastructure that enables humans and AI to form new capabilities and deliver real-world outcomes.

HUMAN REALITY

CAPABILITY

OUTCOME

NEW REALITY

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02 / HUMAN REALITY → NEW REALITY

Start with human reality. Create the next reality.

A task starts with what a person or organization needs to change. Intelligence and on-site conditions are resolved together; the result is checked against that intent.

01 Human reality

Current understanding, environment and ability to act.

02 Intent → Work

Define the change and the work needed to achieve it.

03 Intelligence + local conditions

Bring reasoning, knowledge, tools, people and suitable space together.

04 WorkShell → Execution

Combine the capabilities and authority needed for this work.

05 Outcome + evidence

Check what happened and whether it meets the intended outcome.

06 New reality → Continue

Retain the outcome, reusable capability and a clear next step.

More autonomy. More choice. More ability to act.

Automation is one means, not the sole measure of value. Understanding a situation, living more independently and completing useful work are all meaningful outcomes. People remain the beneficiaries and decision-makers—not peripheral devices in an AI system.

LLMs support reasoning and planning. Local nodes connect to the site. Neither a model response nor a successful protocol call is, by itself, proof of a completed real-world outcome.

Cognition, perception and action.

Grounded in real conditions.

A capability is a usable combination matched to a particular task—not a list of devices.

Cognition & judgment

CAPABILITY

Models, expertise, retrievable work memory, computation and validation.

CONDITIONS

Usable compute and power, relevant information, readable interfaces and appropriate data boundaries.

OUTCOME

Better understanding, comparison, decisions and reuse of experience.

Perception & situational understanding

CAPABILITY

Glasses, cameras, UWB, ToF, IMU and local signal processing.

CONDITIONS

Mounting, orientation, lighting, time and coordinate association, and a permitted observation scope.

OUTCOME

Previously inaccessible or unclear information becomes usable understanding of the site.

Action & delivery

CAPABILITY

Software tools, device interfaces, audio, lighting, actuators and human operation.

CONDITIONS

Energy, connectivity, materials, tools, site access, intervention and outcome checks.

OUTCOME

Authorized work completed with a result that can be verified.

A camera is not yet an inspection capability. A mount, suitable lighting, object placement, processing and a checking method may be just as necessary.

Identity. Organizational role. Entrusted delivery.

These are complementary relationships—not three names for the same product.

PERSISTENT WORK IDENTITY

e-Person

Carries role relationships, capability references, work history and handovers. A model, mailbox or device can change without forcing permitted identity and history to start again.

ORGANIZATIONAL WORK ROLE

AI Employee

Binds an e-Person to an organization and a defined task or role, with explicit scope, resources, costs, supervision and validity. An account alone does not grant access.

DELEGATION AND DELIVERY

MyTrustee / 智受托

Organizes the client's requested outcome, contact, supervision, exception handover and acceptance. Delivery can combine AI work identities, local people, remote experts and suppliers.

Supervised AI Work, Delivered Locally.

A person may have several purpose-specific e-Persons; an e-Person may hold several explicit roles. Data, authority and contributions do not automatically cross those role boundaries.

InstantSpace.

Where capability becomes possible.

InstantSpace = Boundary + State + Time. A space may be digital, physical or hybrid. Stable identity does not mean its condition, availability or authority remains unchanged.

InstantSpace	Where, when and under what conditions work can become possible.
InstantReady	Whether the conditions are sufficient for this task—and what is still missing.
WorkShell	The work-specific combination of capabilities, interfaces, people, control and evidence.
Runtime	Addressable identity, state and continuity for the relevant entities.

Work A desk, bench or service cart can support sustained inspection, diagnosis or research. The work determines the physical form.	Living Support finding, understanding, learning and communication. Autonomy matters; living space is not an office by default.	Mobility Continue work across locations. Available capabilities change with motion, connection and environment.
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Space is not a fourth parallel ability. It provides the conditions on which cognition, perception and action depend. When sensing occurs, where it is excluded and what remains local are part of those conditions.

[instantospace.live](#)

Do not just find capability. Form what is missing.

Reuse what is suitable. Turn missing fixtures, interfaces, methods, environments or local support into explicit work. Design, fabrication, configuration and field service become part of capability production.

Identify the gap

Form the conditions

Install & verify

Retain reusable
capability

Global intelligence. Local capability.

01

Move physical capability

Move people, equipment, materials or tools, retaining the conditions for installation, recovery and support at the destination.

02

Continue digital work

Transfer permitted models, methods, tasks, data and records. Destination compute and site conditions continue the work.

03

Form capability locally

Combine a capability blueprint with local resources; supply missing adapters, tools or support and validate the result at the destination.

Capability must become locally actionable. Methods can transfer; destination credentials, authority and acceptance do not transfer automatically.

One architecture. A concrete reference pathway.

Reality R&D connects research, hardware, models and suppliers through shared capability descriptions, reference tools and evidence. It is a product family within HSIMC—not the whole company.

CAPABILITY FORMATION & VALIDATION

Reality R&D

A shared path for distributed research and integration, from explained capability to simulation and site-specific validation.

[Open reference →](#)

PRODUCT 001

T736 Reference Node

The first edge reference node, with an Ubuntu 24.04 reference profile. It connects the work contract to local computation and device interfaces; it is not the only possible hardware.

[Open reference →](#)

BOARD-LEVEL CAPABILITY MAP

HelperBoard

A published, clickable map of 33 vendor-declared board objects. Explanation of an interface is distinct from current driver or physical execution readiness.

[Open reference →](#)

LLMs contribute reasoning; local nodes contribute on-site processing and interfaces; sensors observe; software and actuators act. MCP is the capability interface—not a substitute for work history, local conditions or authority.

The published browser reference bench uses labelled simulated data. Cloud reference, hybrid integration and physical nodes remain distinct evidence classes. University and supplier projects are applications under the product—not implied institutional endorsements or claims of production readiness.

08 / CONTRIBUTION · TRUST · PARTICIPATION

Contribute to an outcome. Keep the contribution visible.

Knowledge, software, fixtures, power, devices, manufacturing, field service, supervision, channels and support can contribute to the same outcome. Attribution, pricing and settlement remain explicit.

- 01 **What improves for the person?**
- 02 **What can now be done that was difficult before?**
- 03 **Who made it possible—and can the capability be delivered again?**

Resource consumption is not client value. Accounts, calls and equipment counts do not prove that useful work is complete.

Supervision with substance.

Define scope, competence, response arrangements, intervention and handover. Reuse valid authorizations within scope; reassess material changes. Supervision does not replace product, data, trade or professional responsibilities.

Start with the work you want to make possible.

Bring a real need, the intended outcome and the conditions you already have. The next step is to define the work and the contributions it needs—not to assemble every participant and device in one place first.

[hsimc.tech/task-role/](#)

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This public blueprint describes HSIMC's direction, architecture and reference pathway. It is not a blanket availability or performance guarantee. Specific services, rights, resources, supervision and acceptance are confirmed for each agreed scope of work.

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