

## Sprint Challenge Brief: Artificial Intelligence For Home Management

The first virtual assistant debuted ~10 years ago. Now, in the United States alone, over 100 million homes utilize some form of digital assistant. Furthermore, the home environment is increasingly the primary focal point for many aspects of life: work, education, entertainment, family time, rest, and more.

The COVID-19 global pandemic accelerated remote work and school, increasing the demand for smarter home management tools and devices. As a consequence, our client seeks artificial intelligence (AI) solutions to seamlessly coordinate, communicate, and manage the disparate requirements of home inhabitants and their many devices. The AI home manager would provide users with broad insights and abilities, including but not limited to:

Interactions for users and devices/appliances:

- New connections between devices/appliances
- New control of devices/appliances for users
- New opportunities for monitoring of devices/appliances
- Expanded capabilities for existing smart devices/appliances

Automation options:

- Lighting
- Power
- Efficiency
- Security
- Privacy
- Personal safety

Work-focused options:

- Home office devices
- Connectivity for remote work

Entertainment content:

- New mediums
- Content management capabilities
- Content sharing opportunities between devices

Assistive capabilities:

- Technology, products, or software to improve access, engagement, or safety for residents with mental or physical impairments

## Communications:

- Improvements to home communication infrastructure
- Remote access to home devices or appliances
- Integration between services
- Access to third-party services for greater convenience

## Household management of:

- People
- Pets
- Personal items and artifacts

This is a rapid identification project. We strongly encourage Interested respondents to submit a response promptly. We will review submissions and evaluate on an ongoing basis

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## SUBMISSION REQUIREMENTS:

Solution providers should complete the standard submission application and take care to highlight key innovation areas that address:

- Types of devices supported,
  - Available customization,
  - Anticipated abilities, and
  - Technical maturity
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## BUSINESS OPPORTUNITY FOR SOLVERS

All complete and eligible Entries will be included in an exclusive Innovation Opportunity Report that will be presented to our client. Solvers with well-matched capabilities may be contacted directly by either TechConnect Ventures or the client to discuss potential partnership opportunities, including – but not limited to – demonstrations, consulting, contract research, licensing, and more. Top-rated Entries may also be invited to register or participate in an upcoming TechConnect Ventures event or pitch program.

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## PARTICIPATION RULES & GUIDELINES

Solvers are encouraged to review the [Rules](#) and [Guidelines](#) provided on the Sprint page for details about participation, including submission criteria, eligibility information, and more.

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**QUESTIONS?** Contact [challenge@techconnectventures.com](mailto:challenge@techconnectventures.com)