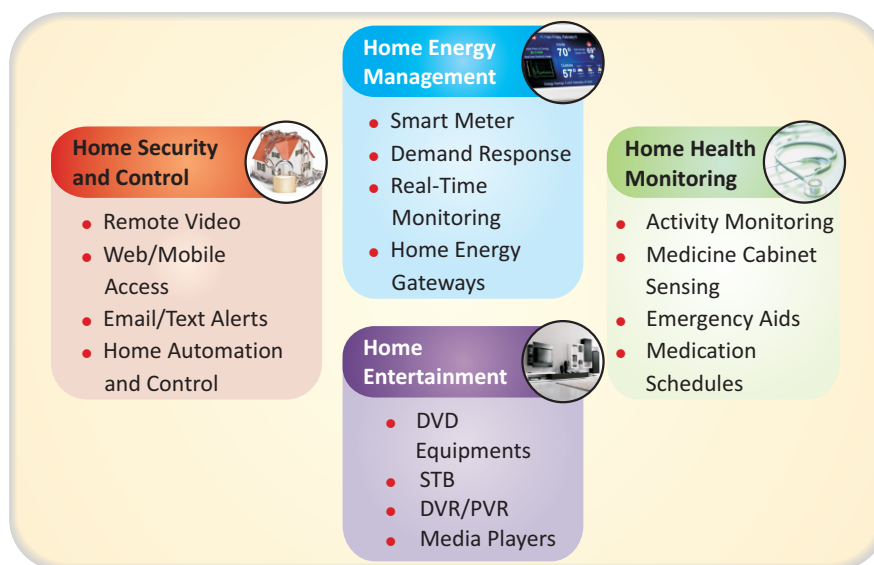# Connected Homes

As the pace of life gets faster and more sophisticated, consumers want better amenities and more comfortable living. The value of time has gone up. Health and Wellness are more important than ever. Energy conservation is gradually finding its way into homes. And Home Security is assuming greater significance, to assure the well-being of near and dear ones and valuable assets.

Technology is a key enabler towards fulfilling these needs of a better and safer living. And MindTree, with its devicePLUS™ suite of offerings for the Connected Home Segment, is doing just that: Enabling our customers to create a happier, healthier and safer world for their customers.

Our Focus Areas

Home Security and Control
- Remote Video
- Web/Mobile Access
- Email/Text Alerts
- Home Automation and Control

Home Energy Management
- Smart Meter
- Demand Response
- Real-Time Monitoring
- Home Energy Gateways

Home Health Monitoring
- Activity Monitoring
- Medicine Cabinet Sensing
- Emergency Aids
- Medication Schedules

Home Entertainment
- DVD Equipments
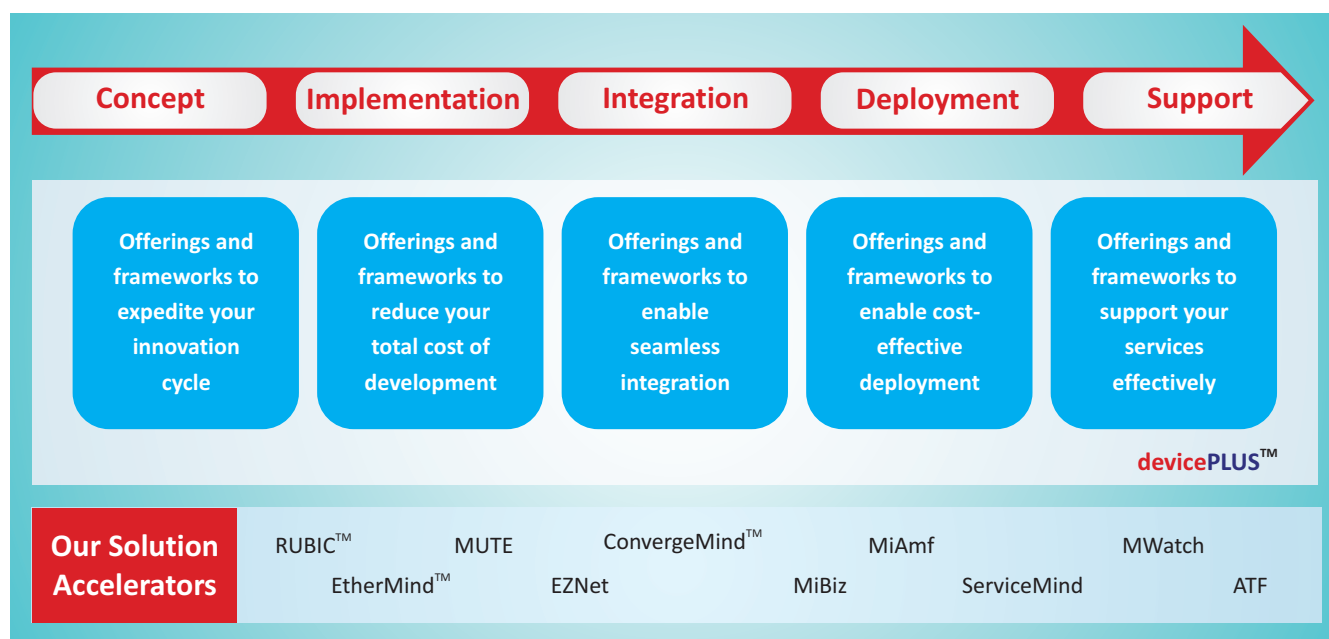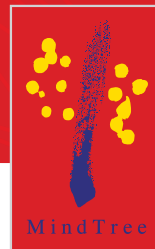- STB
- DVR/PVR
- Media Players

devicePLUS™ For Connected Home

devicePLUS™ is MindTree's suite of offerings for the Connected Home market – that includes extensible frameworks and niche service offerings encompassing the "connected device" and its ecosystem .

devicePLUS™ ⟶ Device + Software + Services

devicePLUS™ covers all the phases of a product's life time.

Concept	Implementation	Integration	Deployment	Support
Offerings and frameworks to expedite your innovation cycle	Offerings and frameworks to reduce your total cost of development	Offerings and frameworks to enable seamless integration	Offerings and frameworks to enable cost-effective deployment	Offerings and frameworks to support your services effectively

devicePLUS™

Our Solution Accelerators	RUBIC™ MUTE ConvergeMind™ MiAmf MWatch EtherMind™ EZNet MiBiz ServiceMind ATF

Our Focus Areas

The key services we offer as part of **device**PLUS™ for the different phases in your product lifecycle are:

1. For **Product Conceptualization** Phase:

- Technology Consulting

- Competitive Product Analysis

- Proof of Concept (PoC), Reference Design Development, Rapid Prototyping

- User Interface Design and Development

- Data Analytics (eg: Customer Segmentation, Loyalty Analysis etc.) to improve your product marketing

2. For **Implementation** Phase:

- Low Cost System Design, Re-engineering for Cost Reduction

- Volume Manufacturing

- "Lab on Hire" – electrical, mechanical reliability testing through our in-house lab facilities

- Testing and Test Automation – using our proprietary ATF and MUTE frameworks

3. For **Integration and Deployment** Phases:

- Smart Home Integration using our ConvergeMind framework

- M2M Connectivity enablement

- Interoperability Testing, Internationalization and Localization Services

- Integration with CRM, Billing and Metering systems

- Cloud on-boarding and testing of your mission-critical back-end applications
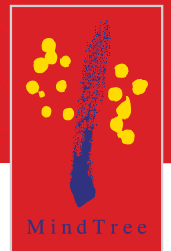
4. For **Support** Phase:

- Hosting and managing your backend applications

- L1/L2/L3 support through our proprietary MWatch Service Delivery Platform

- Release Management, Remote Upgrades, Documentation Management

- Data Analytics for Decision Making and Process Improvements (eg: Trend Analysis, Predictive Modeling, Dashboards etc.)

devicePLUS^{TM} Value Proposition

- Minimizing the Total Costs of Solutions and Smart Home Services
- Increasing Usability & Reducing Complexity
- Creating Products that can Collaborate with the Ecosystem
- Enable Continuous Innovation
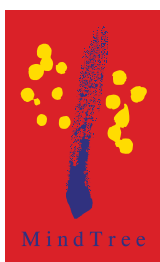
devicePLUS^{TM} Success Stories

- Helping our European customer to carry out comparative product analysis and bench marking for their **Fire Safety** products
- Enabling our Semiconductor customer to create a **Lighting Controller** PoC to showcase their latest chipset platform
- Using our **Data Analytics** capabilities to help our customer analyze and optimize their product promotion spend
- Reducing the **Time to Market** for the next generation **Access Control** product for a US-based customer, through our **devicePLUS**^{TM} system design services
- Helping our customer save **more than 2M USD** per annum by re-engineering their Home Heating Control products for cost reduction
- Automating the testing for a **Home Surveillance** System through our camera virtualization software
- Using **ATF** to save close to **40% of testing efforts** for a leading European **Audio Equipments** manufacturer
- How we helped our Swiss customer to develop a complete **Connected Building Solution** – integrating a variety of controls and devices
- Our case study on integrating mobile devices with **Digital Media Server**
- How we enabled **M2M connectivity** for an insulin pump used in patient care
- MindTree's integrated solution for **Personal Health Monitoring**
- **SaaS Enablement** and **Cloud** Migration for a solution provider in **Energy and Healthcare** space
- How we handle the complete **Infrastructure Hosting and Application Management** for our customer
- Predictive Modeling based solution for preventive maintenance of **A/C Chiller units**
- Advanced Data Visualization and Dashboards for a leading **Entertainment Content Provider**

Technology Expertise

LonTalk · DALI · G.hn · KNX®
DMX512
BACnet · Onvif · PSIA (PHYSICAL SECURITY INTEROPERABILITY ALLIANCE) · ClimateTalk™ ALLIANCE
GSM™ · GPRS · WiFi · Bluetooth · ZigBee™
DLMS/COSEM · ANSI C12
dlna · UPnP · CDMA · Modbus · lte™

php MySQL · ORACLE™ · Java · red hat · Android · GTK · Qt · gstreamer · SAS · FFMPEG · Spring
JAVA Script · amazon web services™ · Microsoft Technologies · Open Source

India | USA | United Kingdom | Germany | Sweden | Belgium | France | Switzerland | United Arab Emirates | Singapore | Australia | Japan | China