



CREATING THE LIVING NETWORK™

InterDigital IoT Solutions

The Promise of the IoT



AUTOMATE

Connect everything

Control remotely

Personalize alerts



MONITOR

Collect information

Share results

Secure data



PREDICT

Monitor anything

Identify problems

Prevent failure

Process of Creating IoT Solutions

1

DEVICES

Assemble the devices

Bluetooth, Zigbee, Z-wave, Wi-Fi...

2

CONNECTIVITY

Enable connection to the world
Wi-Fi, Cellular, Fixed...

3

PLATFORM

Piece it all together

Data & device management, connectivity, security...

4

DATA SERVICES

Do something with the data
Storage, analytics, reporting...

5

APPLICATION

Context specific use of data

System integration, end user application creation...



Extract the true value of the data

Data aggregation, transformation, brokering...

Practical Challenges of IoT Solutions



Legacy Systems



Time to Market



Many Options



Extracting Value

InterDigital IoT Solutions Benefits

SCALABILITY

CONNECT
EVERYTHING

All the popular adaptors to integrate your legacy data

Standards compliant device management to evolve and support your devices

AGILITY

SPEED UP TIME-TO-MARKET

“A one-stop-shop” of devices, connectivity, platforms, and services

All of the above pre-integrated into one easy-to-use environment

FLEXIBILITY

CHOOSE THE RIGHT SOLUTION

Partner system integrators to help create any IoT solution

Multiple industry solutions with best-in-breed partners



VALUE

EXTRACT VALUE OUT OF DATA

Aggregation and transformation of data for multiple markets

Data brokering between publishers and subscribers

InterDigital IoT Portfolio

	An environment to connect platforms, data and services
	Standards based device management platform
Industry Solutions	IoT solutions with best-in-breed partners Automation Healthcare Smart Cities Oil & Gas Transportation Vending & Retail

Industry Solutions

Transportation

InterDigital enables data aggregation, storage, analytics, and brokering to allow transport authorities to control their data and sell it for innovative app development.

Smart City

InterDigital enables location tracking of vehicles with GPS sensors. This is combined with traffic data allowing visualization of road photos and electronic sign messages and alerting drivers ahead of time.

Vending & Retail

InterDigital enables sensors in a vending machine to report temperature and motion data. Temperature can send alerts to prevent spoilage. Motion data can alert for possible shaking/tipping.

Automation

InterDigital enables multi-vendor sensor, devices and controls to be securely managed by individual home inhabitants or maintenance & security staff.

Healthcare

InterDigital enables remote patient monitoring, chronic disease management, device management, and integration with the backend (e.g. Electronic Health Records).

Industrial

InterDigital enables remote cost effective structural health monitoring of the oil & gas pipelines and integration with analytics and 3D visualization systems.

Partner Ecosystem

Devices



Platforms



Integrators



Services



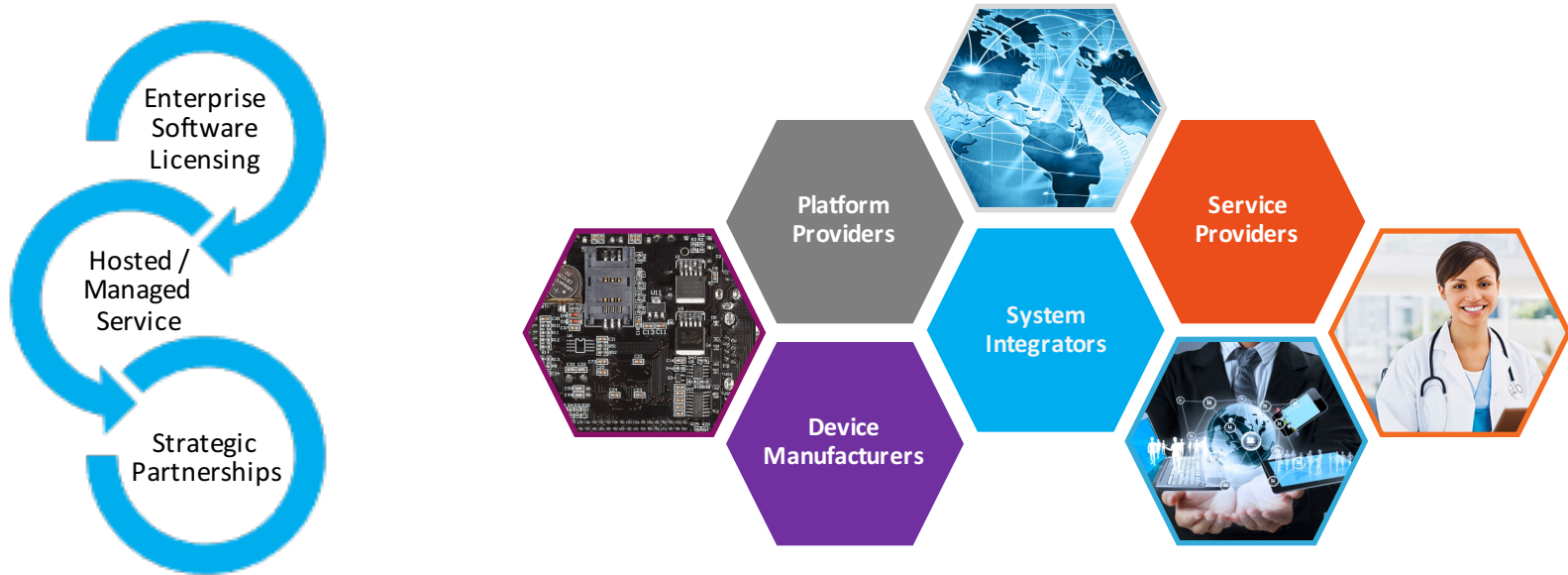
Other Organizations



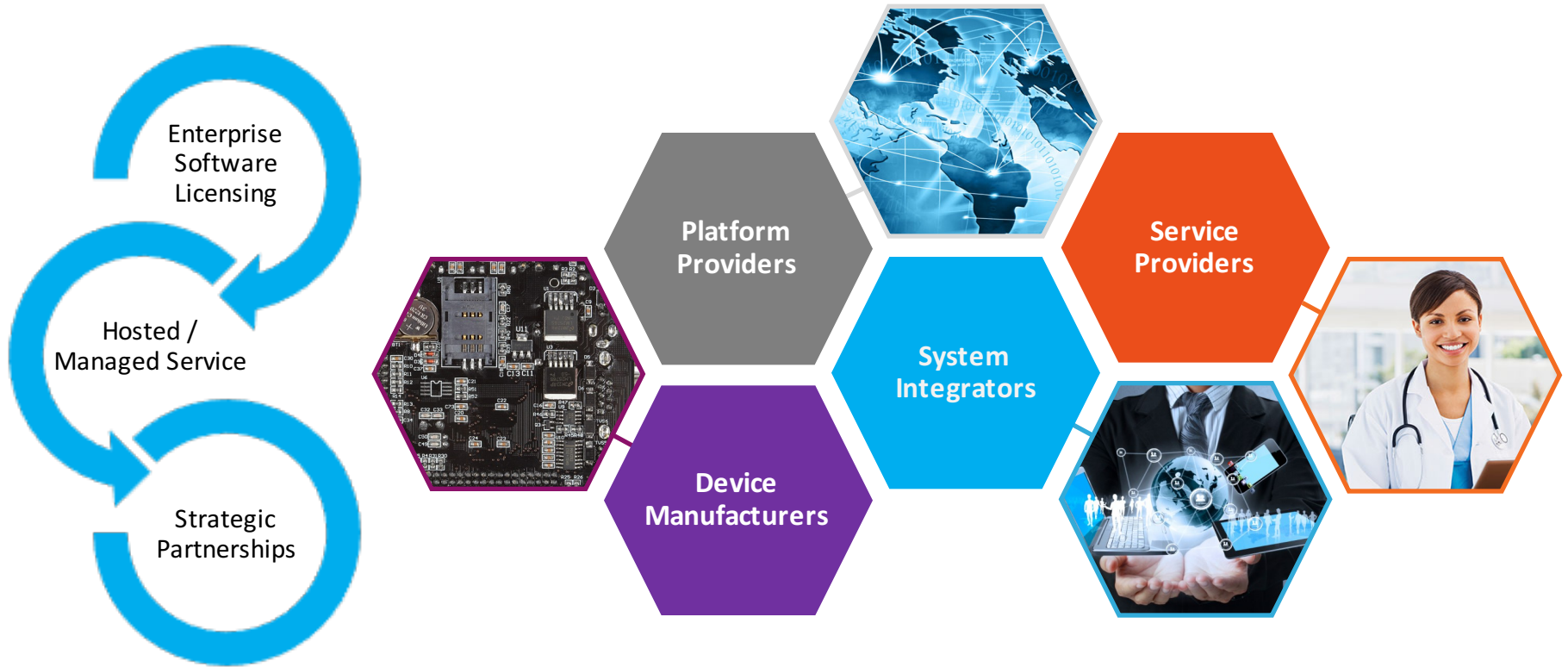
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Flexible Partnership and Business Models

InterDigital has over 100 solution partners including devices, platforms, integrators, services, and associations.



Cooperation Models



Realize the True Value of IoT!



- Combine data from various sources
- Use the latest data services uniformly across data
- Ensure scalability down to the sensor level
- Manage and secure your devices
- Transform your data for multiple markets
- Create new value and revenue streams