

Growth partnership for a self-care centric lifestyle

Innovation | Acceleration | Growth



HCL mobility services

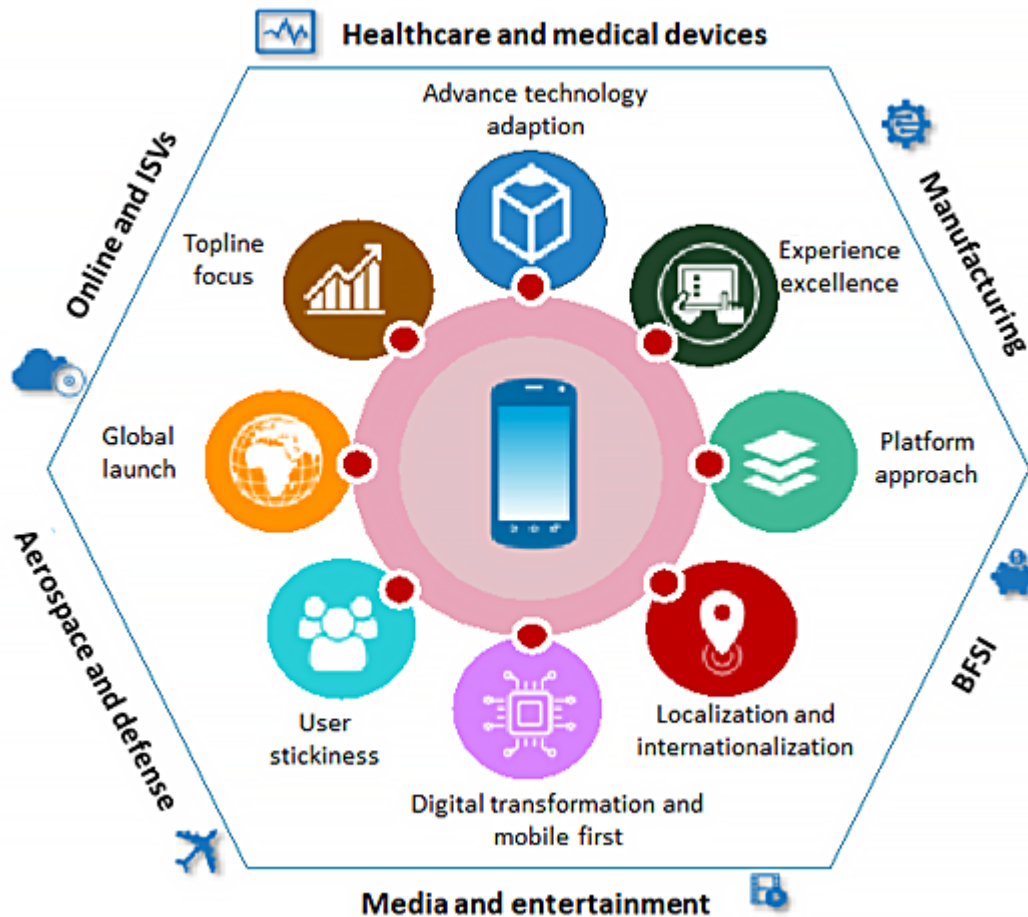
HCL Experience

Consulting

Design and
development

Testing and
certification

Launch and
beyond



Front end development



Database



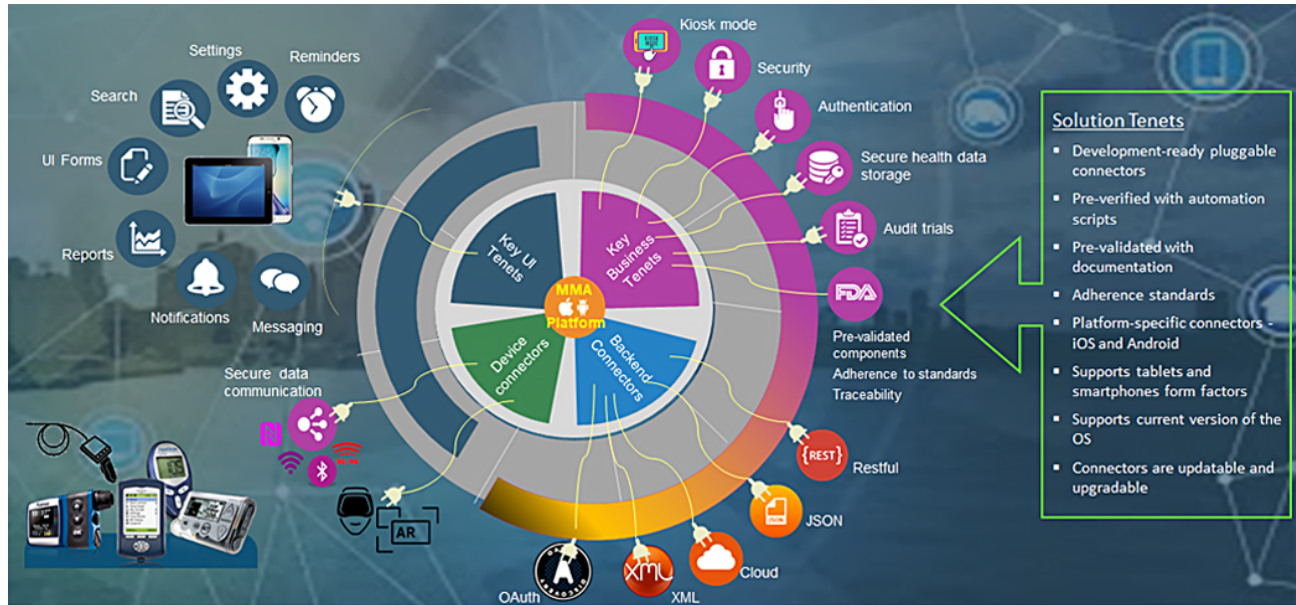
Backend development



Cloud



MMA platform – HCL Accelerator



HCL SaMD experience

Medical device extensions

- BGM device and CGM sensor
- AED
- Home care devices like BP, Scale, etc.,
- Insulin patch
- Research devices
- ECG

Connectivity handled

- BLE
- Bluetooth 2.0
- USB
- WIFI
- NFC

Development approach

- Native development for Class II
- Hybrid development for Class I and II Apps

Risk-based approach

- Hazard analysis and mitigations
- Clear segregation of modules based on the classification
- Access controls, security
- Secure local data management

Business goals achieved

- Multi-country launches with approval from country-specific regulations
- Advance technology adaption
- Experience excellence
- Partnership enablement

Services

- Design and development
- Risk assessment and mitigations
- Project management
- Launch support
- Sustenance



Methodology and QMS

- Agile
- Iterative
- Waterfall
- HCL MQMS
- Customer QMS

Customer profiles

- Leading medical device companies in North America
- Leading pharma company in North America
- Leading healthcare company in Europe

Delivering large-scale programs mobility services platform approach

	Finance	Manufacturing
		
Facts	<ul style="list-style-type: none">▪ 0-40% digital revenue transformation▪ 40 transaction countries▪ 4.4+ app ratings▪ 3M app downloads▪ 12 different payment gateway integrated▪ Peak size of 100 People	<ul style="list-style-type: none">▪ Enterprise and business enablement▪ Multiple apps deployed across different business units▪ IOT platform integration
Business goals	<ul style="list-style-type: none">▪ Digital transformation and mobile first▪ Platform approach▪ Global launch▪ Topline focus▪ Advance technology adaption▪ Localization and globalization	<ul style="list-style-type: none">▪ Advance technology adaption▪ Digital transformation and mobile first▪ Localization and globalization▪ Partnership enablement▪ Platform approach▪ User stickiness
Solution	<ul style="list-style-type: none">▪ Redesigned the architecture▪ Developed hybrid framework for multi-country launch▪ 70% test automation▪ CI/CD pipeline built▪ Distributed agile development	<ul style="list-style-type: none">▪ Mobile strategy defined▪ Developed hybrid framework for multiple app development▪ CI/CD pipeline built▪ Distributed agile development

Entertainment



- 30+ products integrated
- Global launch
- First fan engagement platform deployed
- Live match experience
- 1M downloads of app within a week of launch
- Revenue opportunities through platform
- Sponsorship enablement
- 4.8+ app rating

- Digital transformation and mobile first
- Advance technology adaption
- Experience excellence
- Creating revenue stream
- Global launch
- Localization and internationalization
- Platform approach

- Technology and product assessment
- Rich UI development in native
- End-to-end platform development
- Scalable architecture
- Completely configurable app
- Plugins to products for enhancing editorial experience

Healthcare



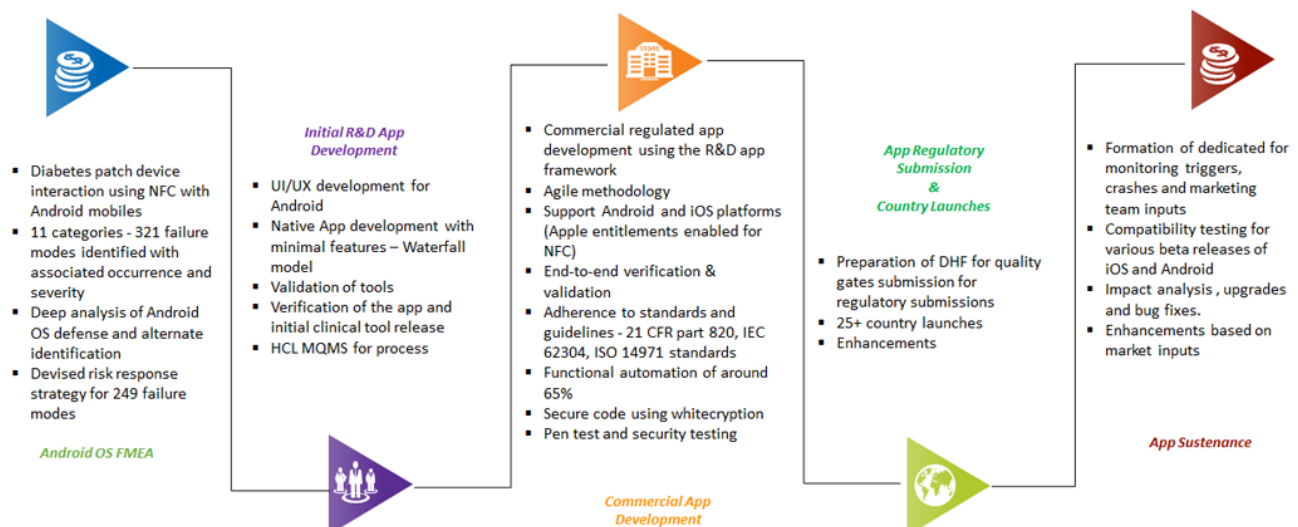
- Class II approved mobile medical app
- 25+ countries launched
- Partnership enablement
- Replacement to existing medical device accessory
- 250K app downloads

- Digital healthcare
- Advance technology adaption
- Regulations and compliances
- Global launch
- Localization and internationalization
- Top line focus

- Risk based approach
- Medical quality process and documentation
- Scalable architecture
- Segregation of modules based on classification
- Security Framework built in

Case study deep dive – CGM major

A complete digital enablement of continuous glucose monitoring for a diversified medical device manufacturer



Case study - population health management for leading healthcare device manufacturer

Business problem

- Health insurance companies offer population
- Health management (PHM) programs for chronic disease elderly patients
- Through PHM programs patients need to do testing at home using self-testing devices and will share the vitals with health care organizations
- In turn, these organizations will follow up with patients for further checks or activities to stay healthy and in stable condition and achieve certain goals

Solution

- To provide a Kiosk mode based mobile solution on the Android platform to help users to
- Aggregate vitals using self-testing devices over BLE/Bluetooth
 - Easy to use UI focusing on elderly patients and auto-connect with self-testing devices.
 - Syncing of the vitals with cloud to share with healthcare organizations

Key highlights

- Google COSU – DPC-based kiosk mode setup for Android platform
- • Prevention of
- • SMS reception
- • Call reception
- • Alarm
- •Push notifications
- •Volume up/down
- •System notification bar
- •Home, multitasking softkeys
- •OS updates

HCL scope

- Design and development of Android mobile app
- Risk assessment of Android mobile app
- Verification

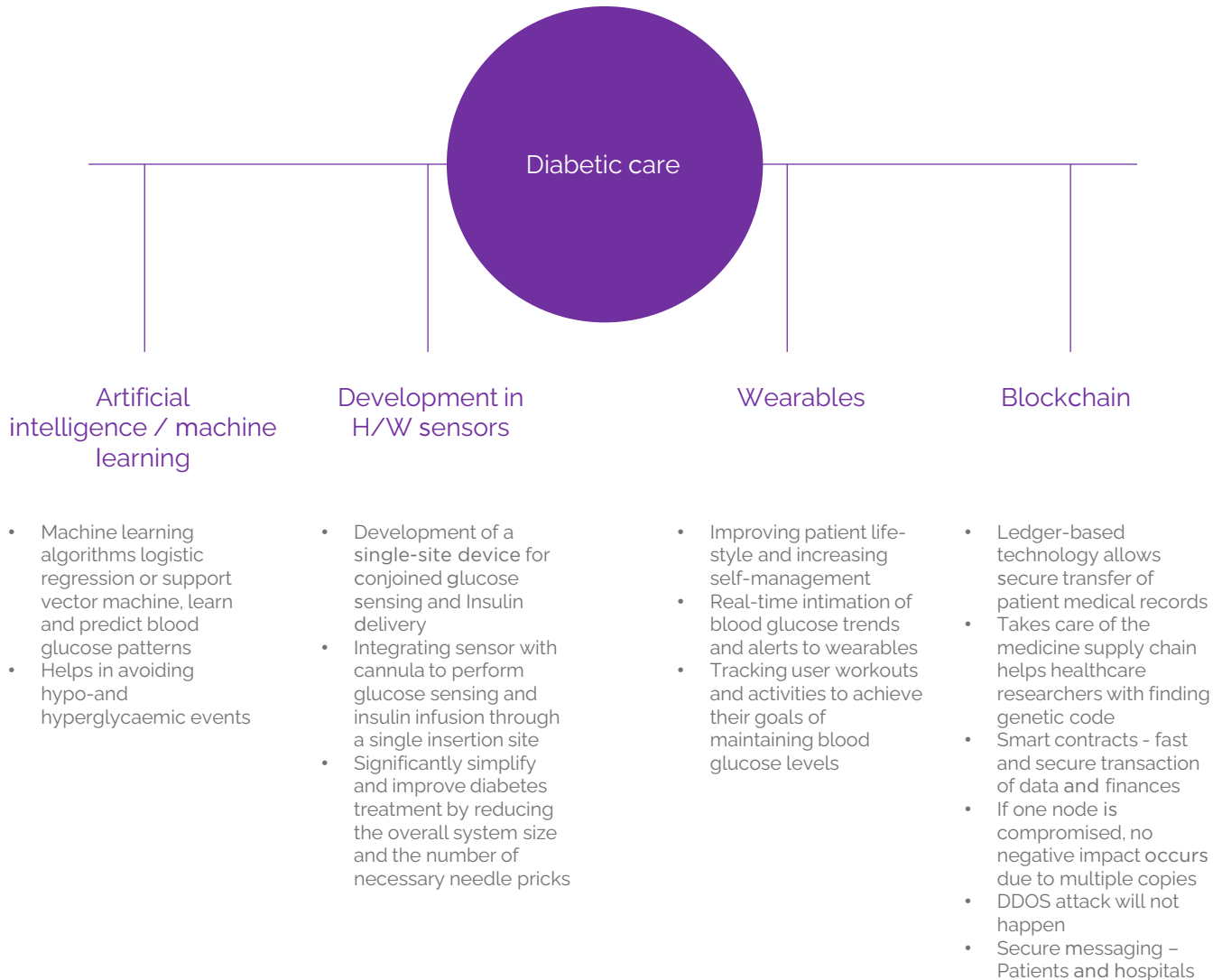
Technology and tools

- Android
- Kotlin
- Jacoco
- Junit
- Jenkins

Value delivered/benefits to client

- Dedicated kiosk mode
- Reduce the time spent on aggregating vitals from chronic disease elderly patients to ease population health management
- Auto-connect of self-testing devices for ease of use by elderly.

Technology trends in diabetic care



FOR MORE INFORMATION, PLEASE CONTACT

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