KEYSIGHT WORLD 2020

Access Advanced Technologies with Innovative Approach

Greater China Enterprise Agreement Sales Director / Keysight Technologies

Tony Chen

About Tony Chen

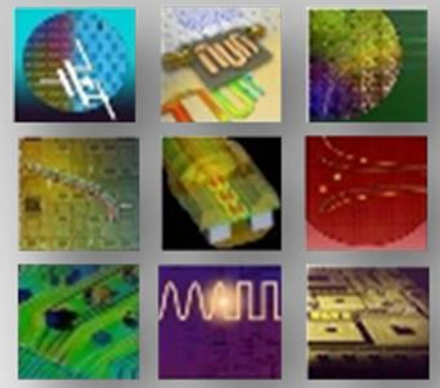
Tony started his career in Keysight as an application engineer in test measurement business group in HP Taiwan in 1993. Through 27+ service years in HP, Agilent and Keysight, Tony has contributed himself in various positions including application engineering manager, Asia consulting sales manager, Taiwan EEsof EDA sales manager, Greater China EEsof EDA application engineering manager, and most recently Greater China Enterprise Sales Director.

KEYSIGHT TECHNOLOGIES

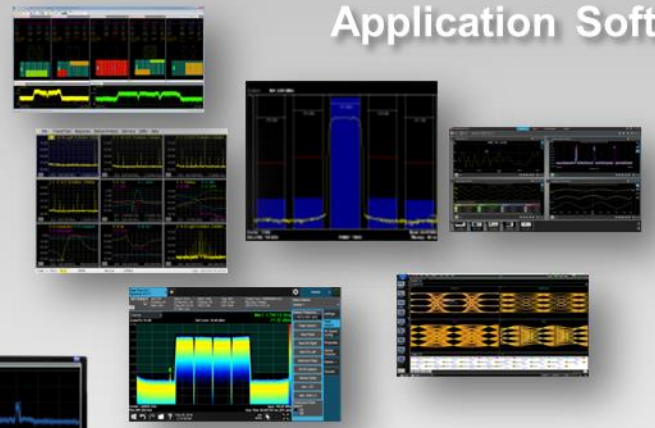
Keysight Across Your Development Ecosystem

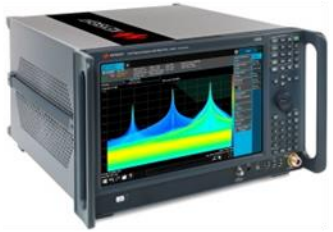
TEST INSTRUMENTS AND SOFTWARE

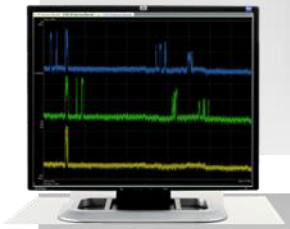
Electronic Design Automation Software



PC & Embedded Measurement Application Software





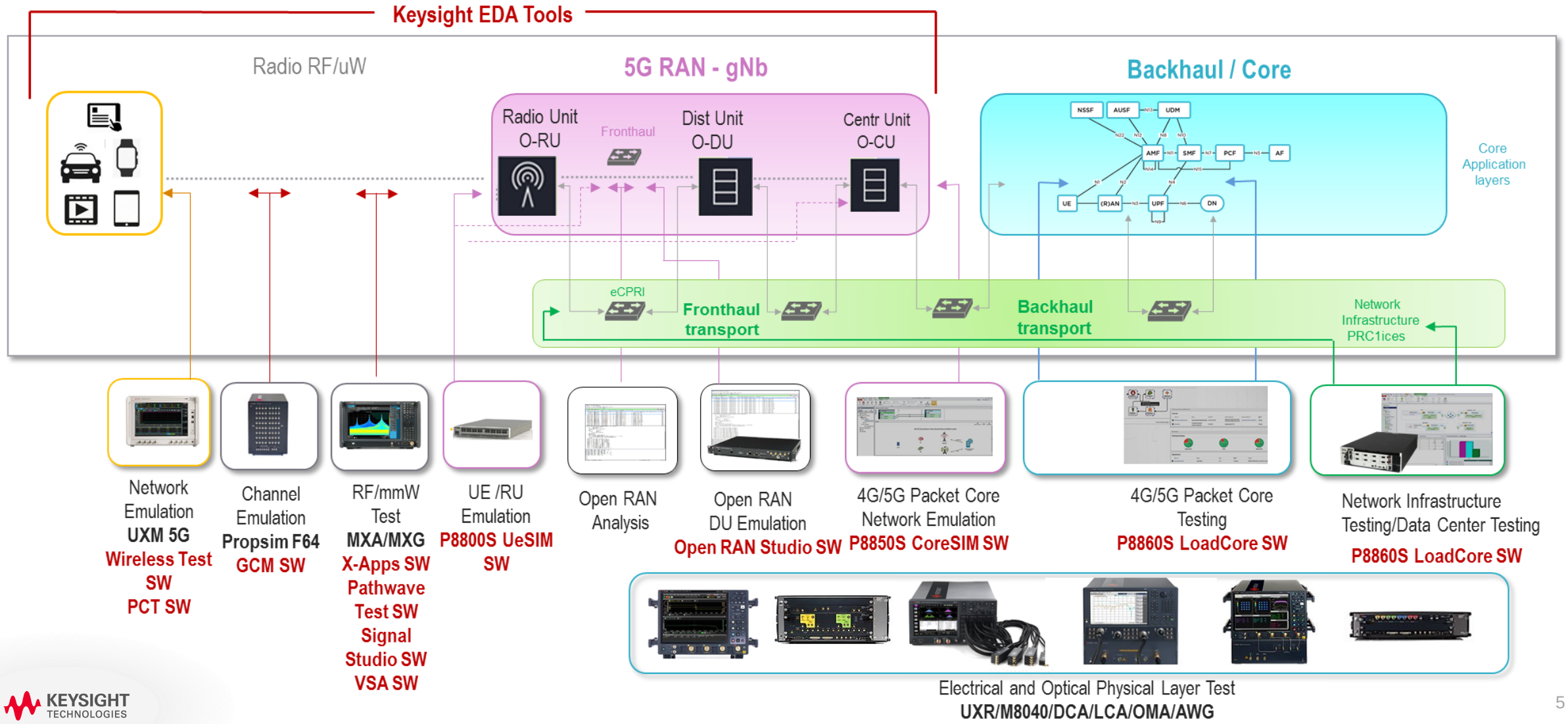


Programming Environments

Productivity Software

Keysight Across Your Development Ecosystem

5G RAN EXAMPLE



Keysight Across Your Development Ecosystem

SEMICONDUCTOR EXAMPLE

Device Fabrication Technology

Device & Process Development	Modeling

B1500/B2200

Pulsed IV Memory Test Solution

IC-CAP

IC Design

Design & Simulation	Prototyping	DVT

EDA Software

Manufacturing

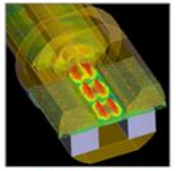
Wafer Fabrication	WAT Test	CP Test	Packaging	Final Test

Parametric Test System

Pathwave Design Software

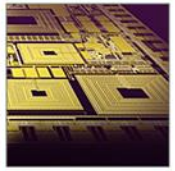
SystemVue
– ESL

ADS
– MMIC,
RF Board,
SiP, HSD



EMPro
– 3D EM

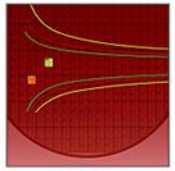
Genesys
– RF Board



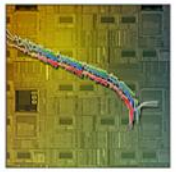
GoldenGate
– RF Mixed Signal

IC-CAP
– Device Modeling
GaAs, GaN,
Custom Models
Measurement

MBP
– Device Modeling
Silicon

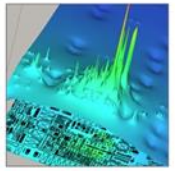


MQA
– Model Quality
Assurance



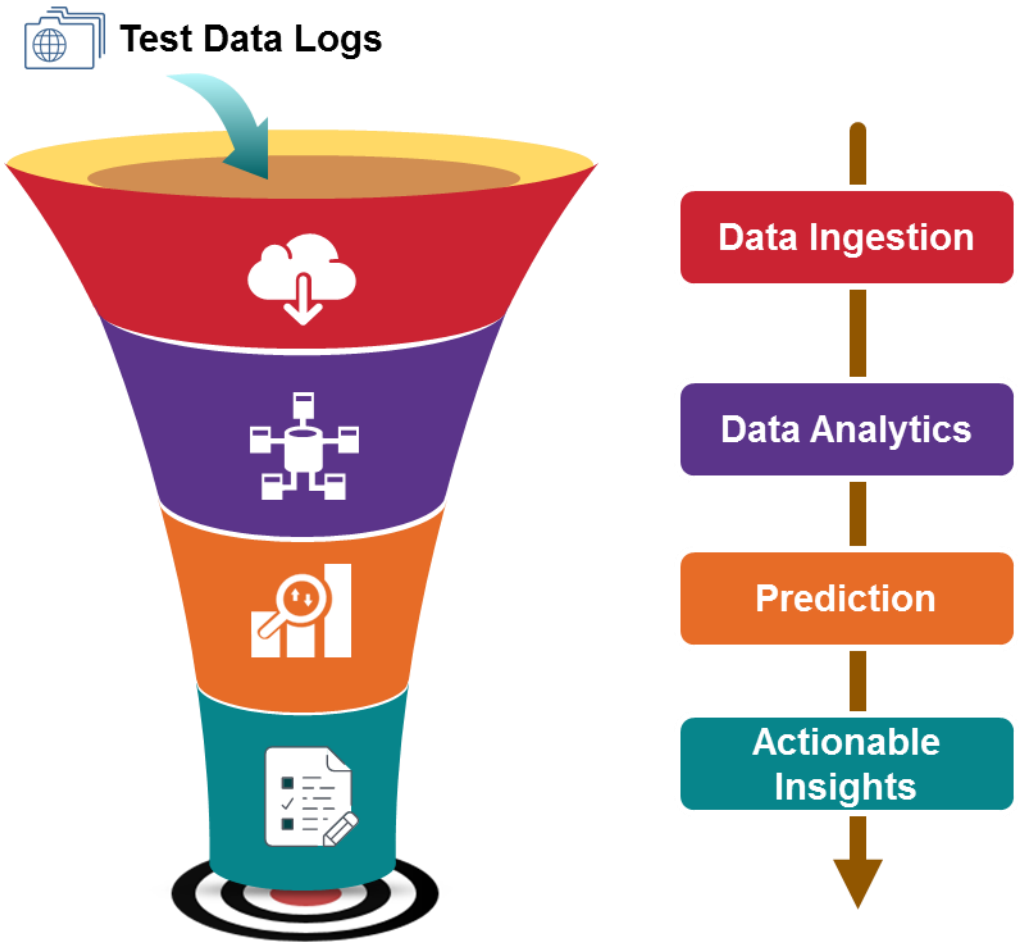
A-LFNA
– Advanced Low-Frequency Noise Analyzer

WaferPro Express
– Wafer-level automated measurement



HeatWave
– IC electro-thermal analysis

Pathwave Manufacturing Analytics

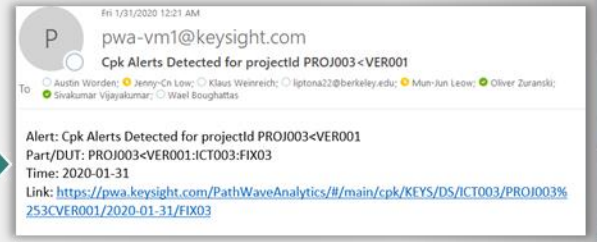


FCT.log

```
FTS9
FINAL TEST REVISION=05A
M637A TD FILE REVISION=1.04
LINE VOLTAGE=120 V
AMBIENT TEMPERATURE=23.6 deg C
RELATIVE HUMIDITY=52 %
DATE=29 Mar 2019
TIME=17:07:10
************************************************
OUTPUT #1, BRICK MODEL=M637A, S/N=BPR01153294
************************************************
TEST NAME                    LO          RESULT        HI
************************************************
Check_fans:Shunt_box:        1.5         2.05244       2.5
Check_temp:Shunt:            24          25.917        28
Check_temp:Ambient:          21.5        23.7          24.5
Check_temp:Ambient_rh:       40          53            75
Cal_v                        0           1             2
Cal_i                        0           1             2
*** TEST RUN COMPLETED/ABORTED AT 17:08:29
*** TEST RUN STATUS = PASS
```

At time T = 0 Anomaly predicted before it becomes a failure

Failure expected to occur at time T = X



KEYSIGHT TECHNOLOGIES

Continuous Challenges for the Industry

- **Increased technology complexity**
- **Increased software content**
- **Changing resource requirements**
- **Schedule and cost pressures**
- **Inconsistent tech support**

45% Of customers say existing support models don't meet business needs

89% Of customers say having access to integrated software tools would improve time to market

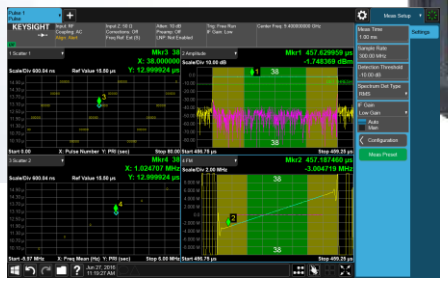
62% Of customers report an incorrect setup of test instruments impact business results

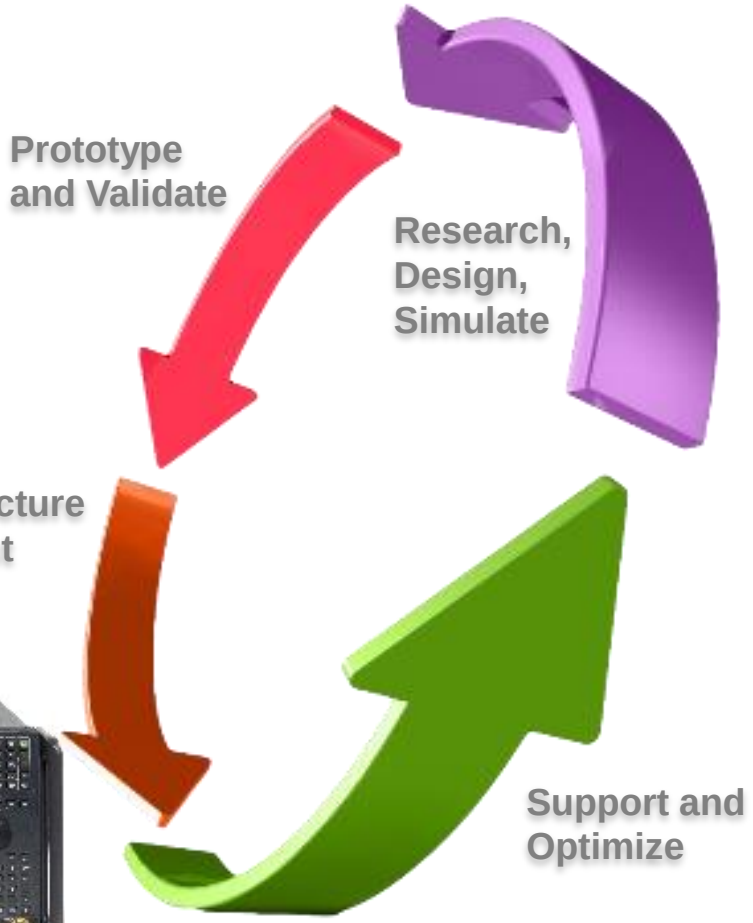
95% Of test professionals need help every month

Drive the evolution of our software, services and support model

Keysight in Your Product Lifecycle

- Test Instruments
- Design & Test Software
- Education, Training, and Consulting Services
- Repair & Calibration Services
- Technical Support
- Hardware and Software Upgrades and Updates





Keysight Enterprise Select

For Keysight's Most Valued Customers !!

Typical Engagement
Single location, single site agreements

- Fragmented budget and purchasing process
- Per incident support
- Node-locked perpetual licensing
- Unpredictable spend
- Multiple contract complexity
- Technical/tactical relationship

Enterprise Select
Multi-year time-based agreement

- Subscription based access to Keysight's Software and Services portfolio
- Universal Software Access w/remix capability to accommodate demand changes and provide access to new technology
- Multi-year term with predictable spend
- Services and software under single org-wide agreement
- Strategic proactive partnership

For an annual commitment you will get what you need to get your job done

Keysight Enterprise Select

Software Offerings

Features	Benefits
Remixable to entire SW portfolio	Flexible configuration per need
Access to new technologies	Address new design requirements
Floating Licenses	Shareable Asset Management and provides better utilization
Includes software updates, upgrades, and priority support	Superior productivity
Predictable Fixed Costs	Better Cost Management
Much Larger Capacity	Meet all requirements thru term
OPEX Accounting	Preferred Accounting Treatment

Keysight Enterprise Select

Services Offerings

Features	Benefits
Umbrella policy - Cal/Repair for annual fee	Faster access to services without having to issue PO per incident
Predictable Fixed OPEX	Control and manage spending
Partnership model to meet current and future roadmap	Increased productivity
Managed Lab offering (on-site)	Focus on your core competency
Serialized Contracts with Remix	Dynamic asset list for flexibility and certainty

Keysight Enterprise Select

KeysightCare Offerings

Features	Benefits
Committed TAT for repair, calibration, technical support.	Reduced downtime and project delays
Prioritized access to Keysight Application Experts, and Knowledge portal	Lower training and hiring costs
Proactive software updates and notifications	Improved productivity
Live local language personalized support from globally connected experts	Faster support

Transition to Entitled Technical Support

Technical Support Today

Without KeysightCare[1]		With KeysightCare
Best effort Technical Support, no committed response	>>	As low as 2 or 4 business hour response[2]
Local business hour availability only	>>	Access to powerful Knowledge Center
Publicly available self-help content	>>	Cloud based case and asset management
Not Applicable	>>	Proactive SW updates, cyber-security notification[3]

[1]Custom support agreements may have separate SLA
[2] According to KeysightCare tiers Assured, Enhanced.
KeysightCare Enhanced available in US, Germany, China, Japan only
[3] Requires KeysightCare Software

Transition to Entitled Technical Support

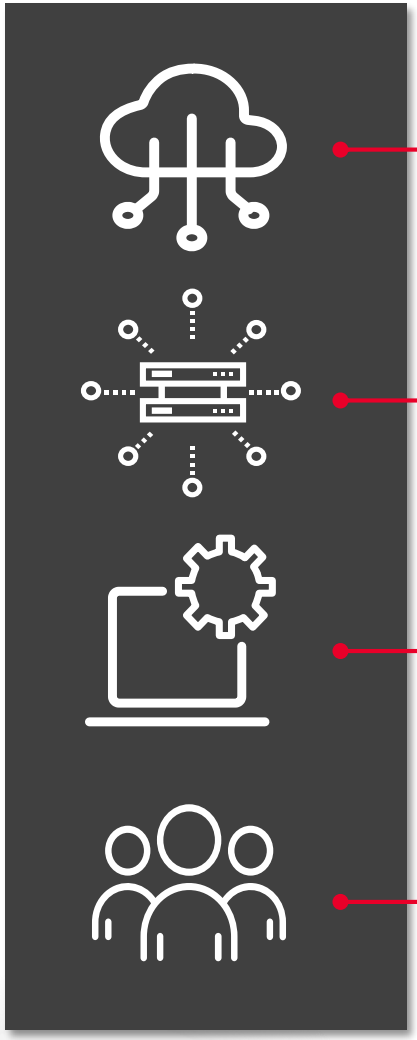
Effective March 1, 2021

Without KeysightCare[1]		With KeysightCare
No Technical Support[4]	>>	As low as 2 or 4 business hour response[2]
No access to Knowledge Center	>>	Access to powerful Knowledge Center
Publicly available self-help content	>>	Cloud based case and asset management
Not Applicable	>>	Proactive SW updates, cyber-security notification[3]

[1]Custom support agreements may have separate SLA
[2] According to KeysightCare tiers Assured, Enhanced. KeysightCare Enhanced available in US, Germany, China, Japan only
[3] Requires KeysightCare Software
[4] Presales and simple questions may be addressed, but no custom support

KeysightCare - Entitled Technical Support

COMPLETE CUSTOMER CARE, BEYOND BASIC WARRANTY



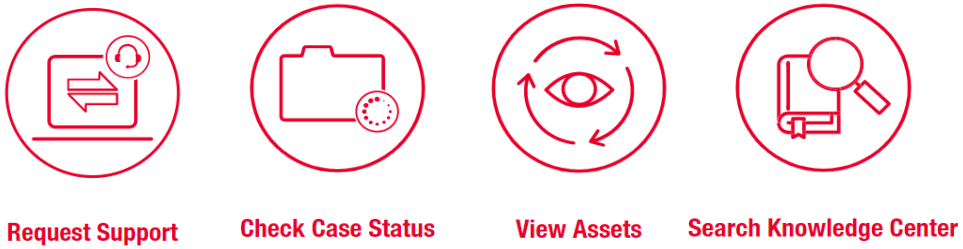
Cloud-based Customer Portal

Equipment Configuration Management

Proactive Software / Firmware Update

Dedicated Resource with Committed Response Time and Service TAT

KeysightCare Portal Login:
http://www.keysight.com/find/keysightcare.login

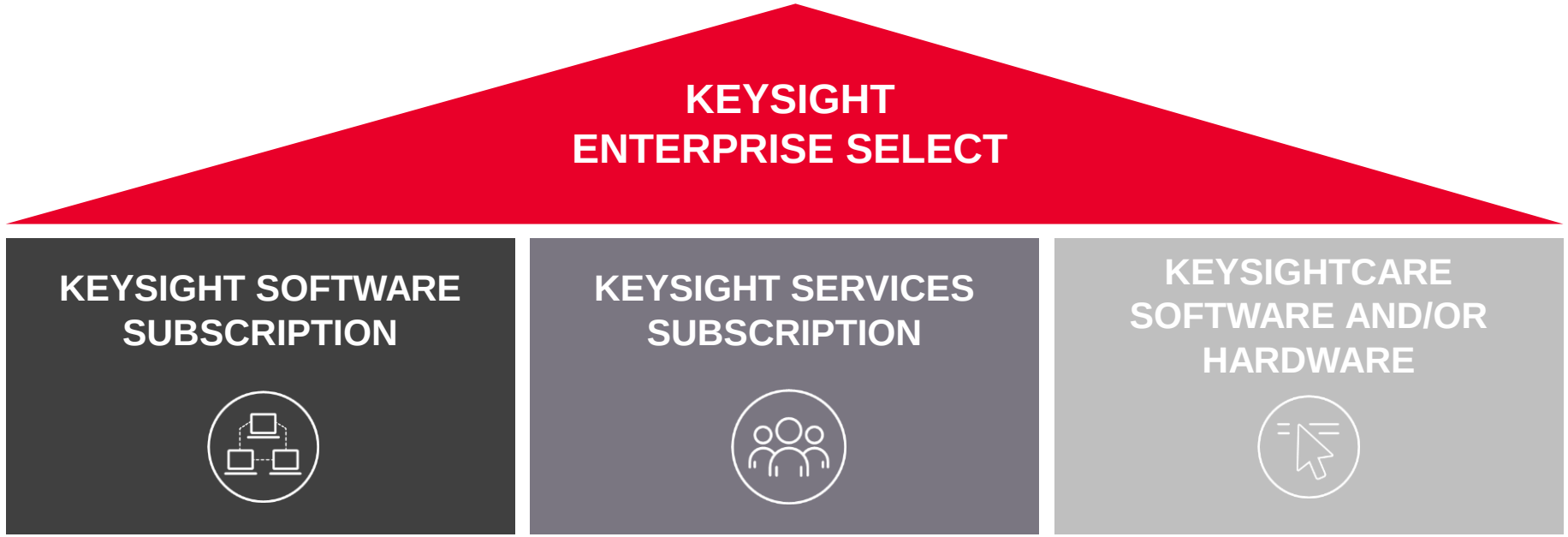


KeysightCare Contact Center:

- Taiwan:
  0800-047-866 – select 1
  Keysightcare.taiwan@keysight.com
- China Mainland:
  400-810-0189 (Mobile)
  800-810-0189 (Fixed Line) – select 2
  keysightcare.china@keysight.com

Keysight Enterprise Select

ANNUAL SUBSCRIPTION TO SOFTWARE AND SERVICE YOU NEED



KEYSIGHT
WORLD 2020