

2nd Indo-European Dialogue on ICT Standards & Emerging Technologies

4th November 2015 • Shangri-La's - Eros Hotel, New Delhi, INDIA



ICT Standards for Sustainable Living

Presented by Luis Jorge Romero

A DAY IN THE LIFE...

=====UPDATE=====

> You have 15 pairs of underwear left.

[Ok] [buy more underwear] [find help online]

> Your cat checked in at the litterbox.

> Your microwave just heated a lasagna.

> Record: You stared out the window for 23 minutes.

[Ok] [post your score]

> Your couch likes your microwave's status update.

> It's raining again.

[Ok]

> 15 of your things are broken.

> You haven't left the house in 5 days.

[Ok]



Connected Devices



In 2014 nearly **2 billion** connected devices will be shipped

This number will grow to nearly **8 billion** devices for the year 2020

**Not including mobile phones*

Home (Consumer)

3,745.71 (Devices millions)

Transport (Mobility)

392.72 (Devices millions)

Body (Health)

360.03 (Devices millions)

Buildings (Infrastructure)

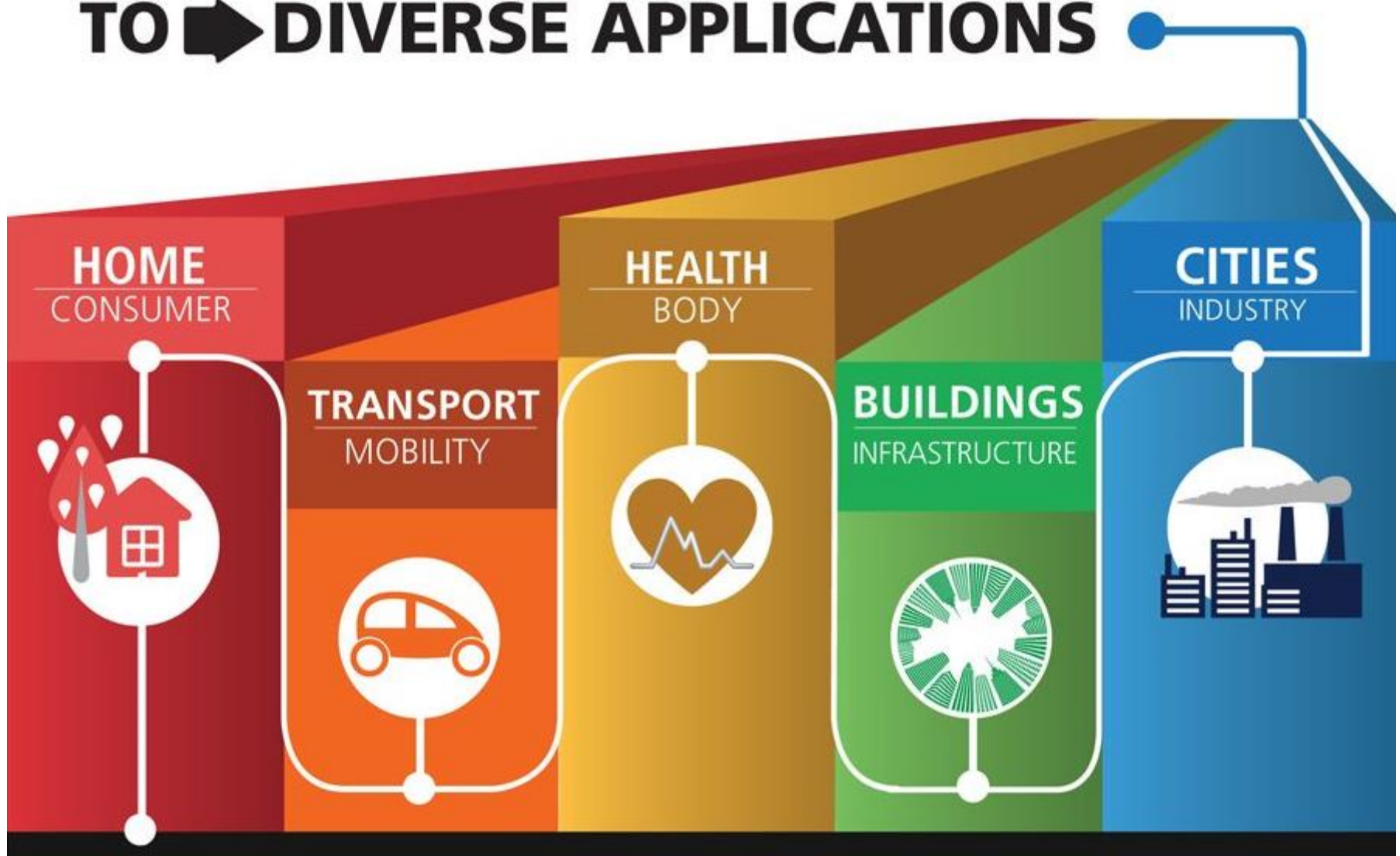
1,726.59 (Devices millions)

Cities (Industry)

1,524.70 (Devices millions)

And quickly advancing

TO ➡ DIVERSE APPLICATIONS



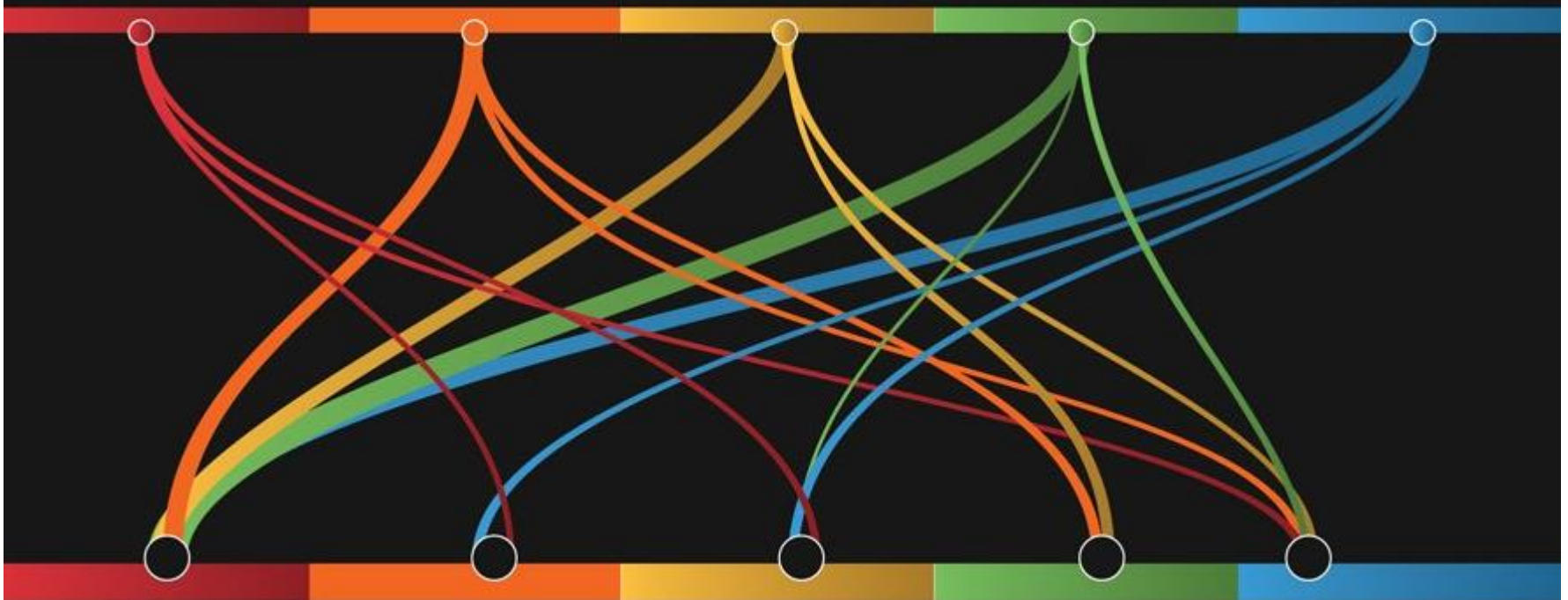
Source HarborResearch.com

ALL CONNECTED TO ALL

Things get interesting when these connected devices and services start creating

COMPOUND APPLICATIONS

within their own verticals and across industries:



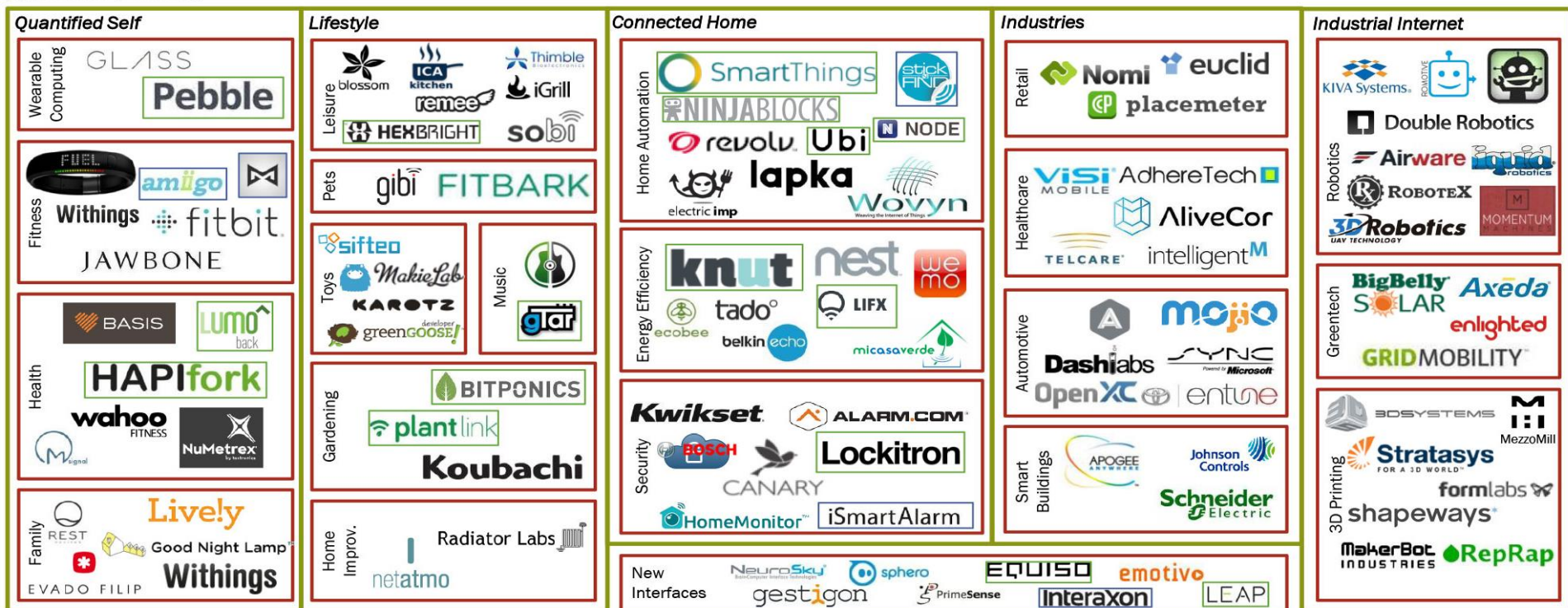
Source HarborResearch.com

INTERNET OF THINGS LANDSCAPE

Platforms & Enablement (Horizontals)



Applications (Verticals)



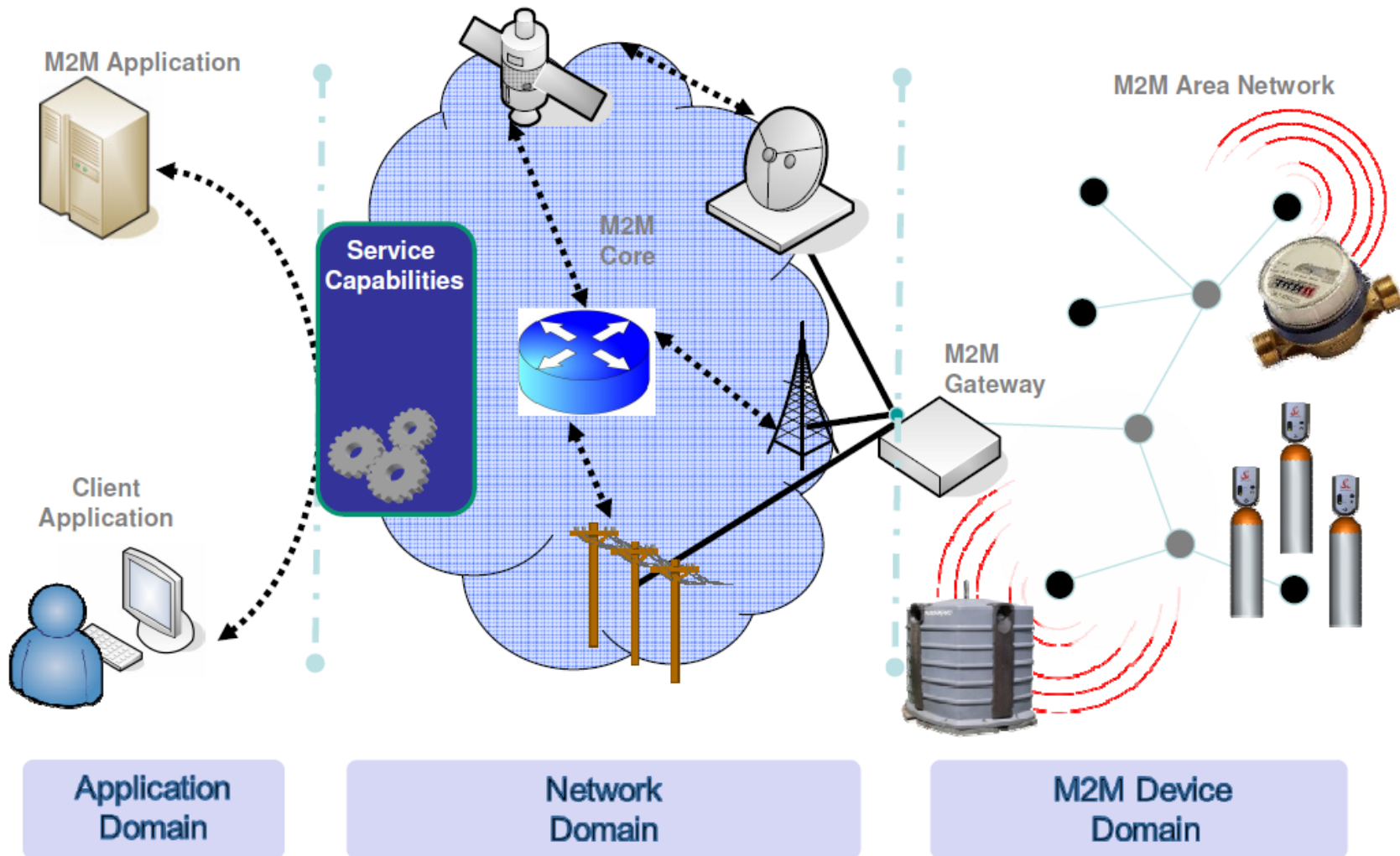
Building Blocks



WON'T YOU TASTE IT...?



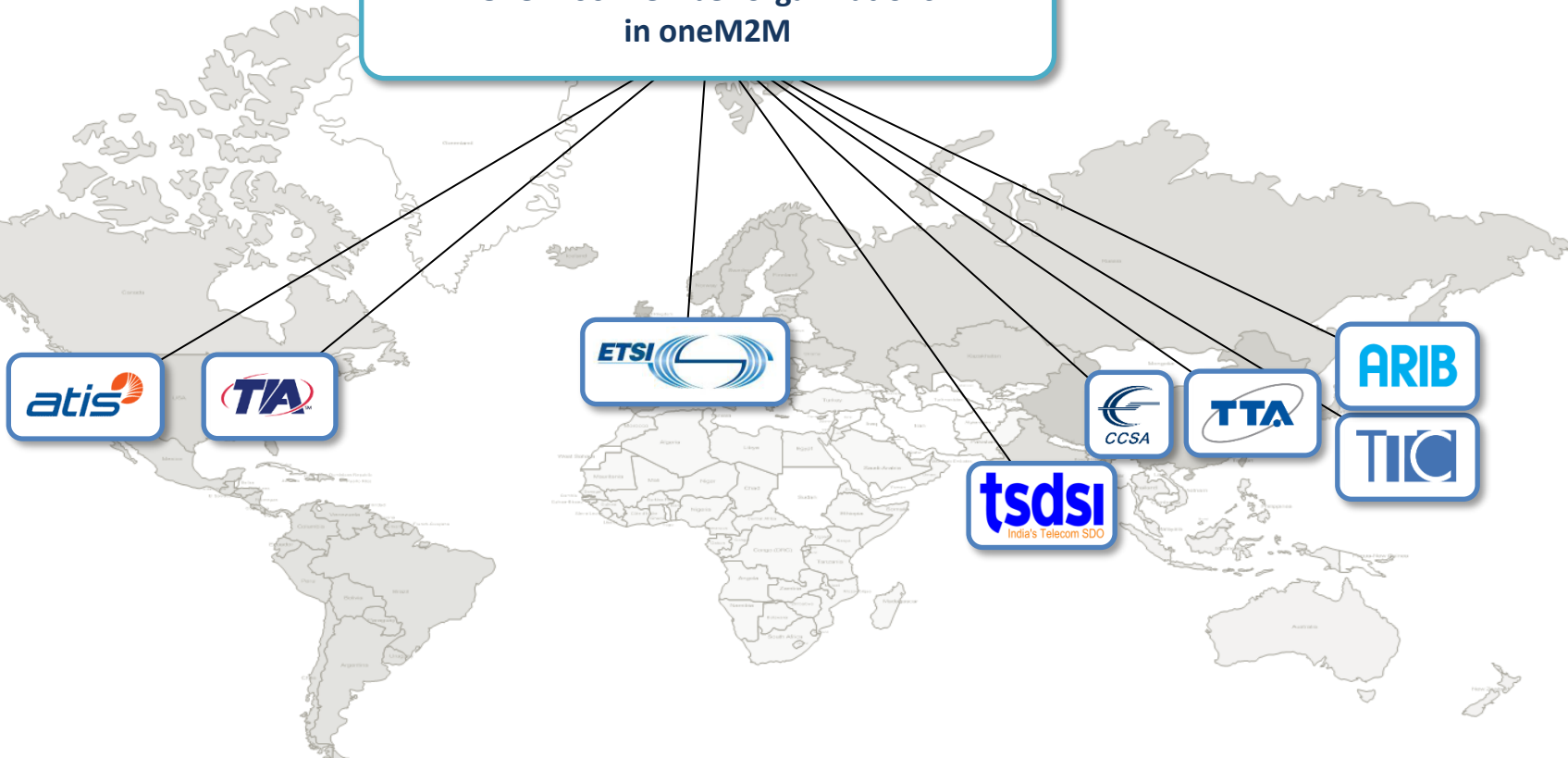
M2M IN ETSI (back in 2012)



oneM2M PARTNERSHIP PROJECT



Over 200 member organizations
in oneM2M





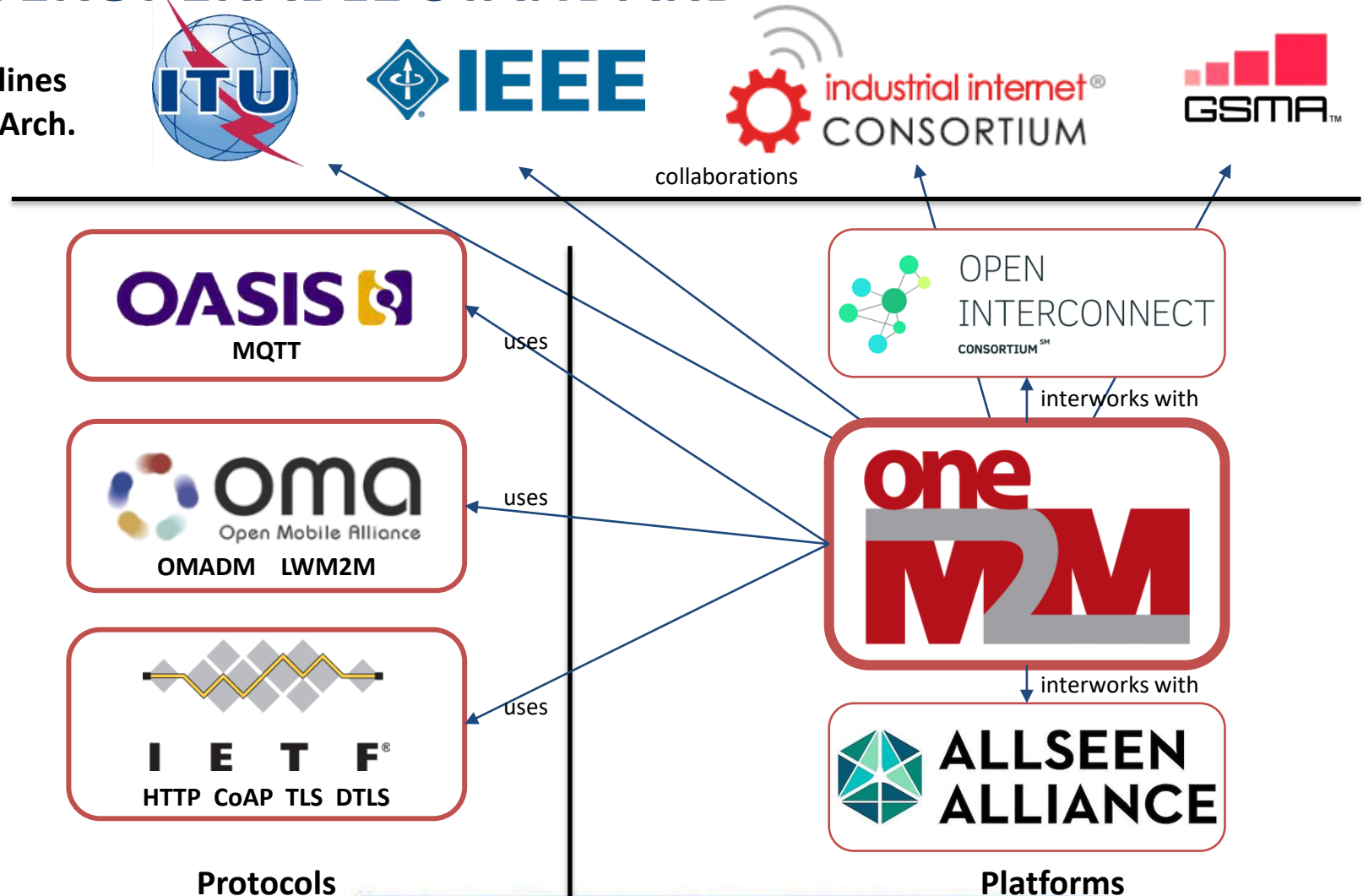
MATURE AND ACTIVE STANDARD

- ❖ Work started in 2012 → 3 years experience
- ❖ 3800 docs produced in 2013, 4400 docs in 2014...
- ❖ Release 1 published in Jan 2015, 10 Technical Specifications
- ❖ 23 Technical Specifications ongoing
- ❖ 25 Technical Reports ongoing
- ❖ Corrections to release 1 actively maintained
- ❖ Release 2 with new features planned for 2016
- ❖ Draft Release 2 description document available outlining the key additional functionalities of the release



INTEROPERABLE STANDARD

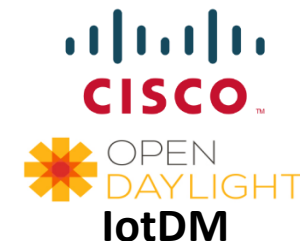
Guidelines
& Ref. Arch.



STRONG IMPLEMENTATION BASE



Open source implementations



Commercial implementations and demos



First interoperability event was held in Sept 2015

With 30 participating organizations and 75 people

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04 November 2015 - Shangri-La - Expo Road, New Delhi, India

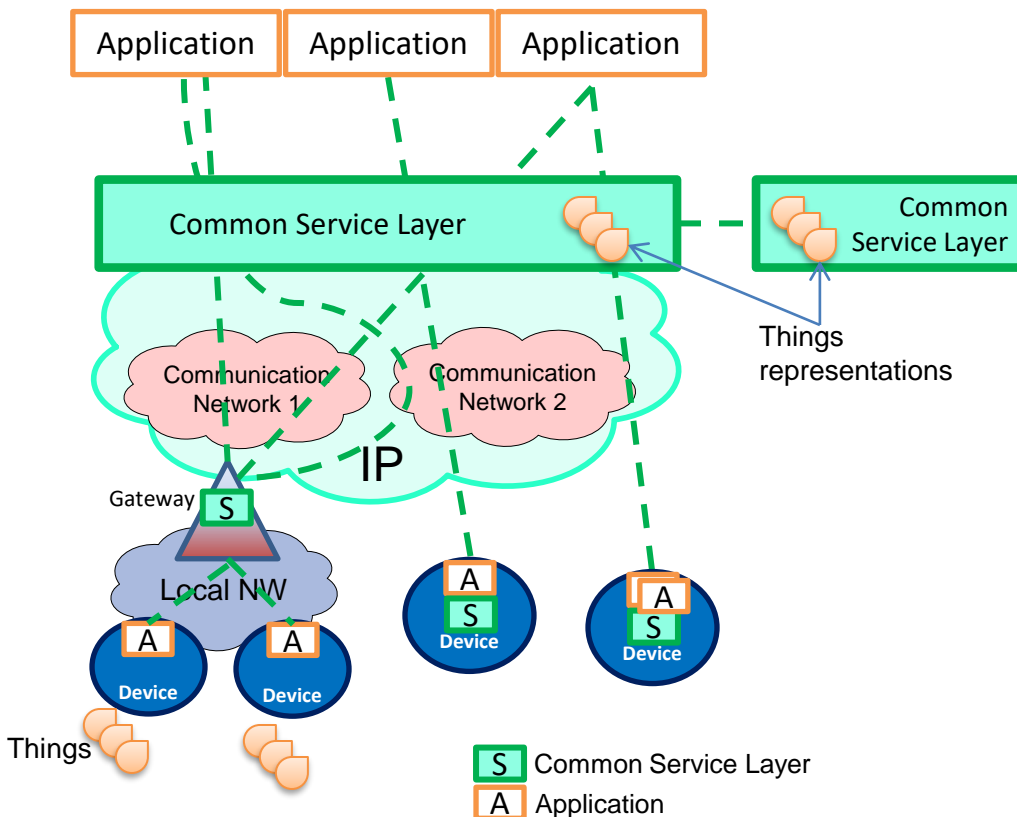


oneM2M ARCHITECTURE APPROACH



Horizontal (based on common Layer)

Applications share
common
service and network
infrastructure
Multipoint
communications



TRUST YOUR PARTNERS!



*If you want to go fast,
go alone...*

*If you want to go far,
go together*



African Proverb

