

**Layer one**  
GREECE 2017

7th Data Center Infrastructures  
Networking and Services  
Conference

Athens, October 6, 2017  
Metropolitan Expo, Hall C2

**2017 BICSI GREECE DAY EVENT**

# Business as Usual

(Don't take a walk on the risky side – SC infrastructure)

**Miodrag Kovanovic**

**BICSI Mainland Europe District Secretary**

**BDM @ trservices.rs**



# Agenda

(intro)

- BICSI quick facts (death by power point - DPP) – 5“

(main) – 10“

- Why BaU
- Life and Services of the 21st Century
- Quality of Project & Delivery
- Risk & Solution



# IMPORTANT NOTICE

PRESENTATION GOAL IS THE FINAL CALL FOR RAISING AWARENES  
ABOUT THE CABLING INFRASTRUCTURE FOR 22<sup>st</sup> CENTURY

- AWAKENING UP -



# BICSI – quick facts

- **B**uilding **I**ndustry **C**onsultants **S**ervices **I**nternational
- 1977 by Harry and Larry (first start 1973)
- USA
- Non for profit
- 23000
- Raison d'etre – EDUCATION
- Purpose: Support to „MASONS“ – Construction Companies
- Reason: finding a way to collaborate and avoid RISK on the project – finding the right solutions (IMPLEMENTATIONS CHALANGES)
- Result: Creation of the STANDARDS based on best practices
- 1999 ANSI accredited



# BICSI audience:

- ✓ Architects and Consultants
- ✓ Audio-Video (AV) professionals
- ✓ BICSI credential holders
- ✓ Broadband providers
- ✓ SCS Installers and Technicians
- ✓ Construction engineers
- ✓ ICT managers and Directors
- ✓ ICT System Integrators
- ✓ Data Center designers and engineers
- ✓ FS designers and engineers
- ✓ End Users
- ✓ Building Owners and Managers
- ✓ Main Contractors
- ✓ ITS design consultants
- ✓ Network designers and admins
- ✓ Access network engineers
- ✓ Project Managers
- ✓ Sales Engineers
- ✓ Wireless/Digital Professionals



# What BICSI offers to ICT Professionals?

- Tech knowledge
  - Internationally adopted Standards
  - Technical issues – magazines, best practice advices, manuals
- Professional development
  - Internationally recognized titles and certification program
  - ICT trainings – design, installation and project management
- Connection to other Networking Communities
  - Educational Conferences and Exhibitions
  - Connection to professional networks



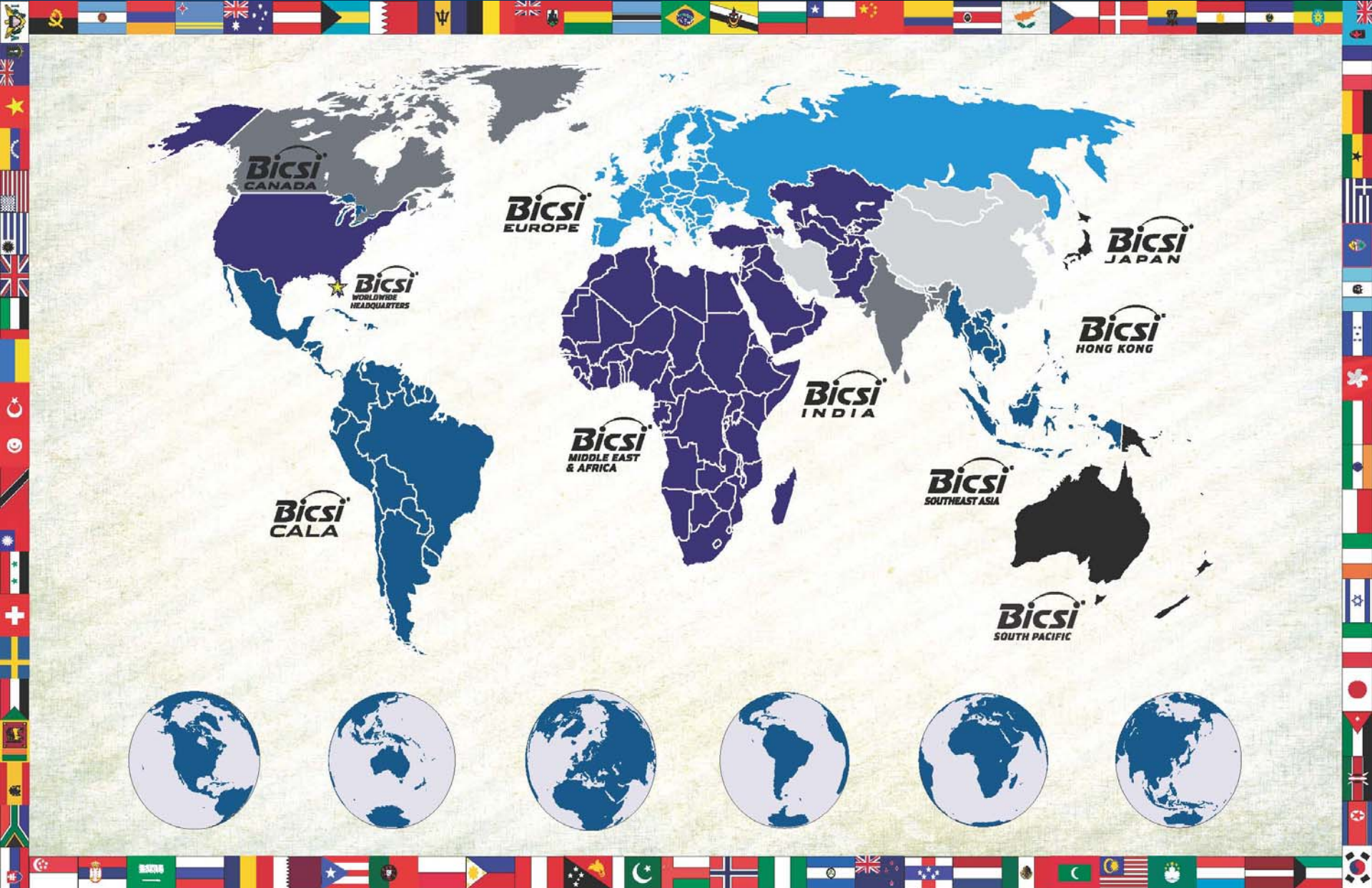


# BICSI ICT SEGMENTS

- Business and residential SCS infrastructure
- **Data Centers**
- **Smart Buildings**
- **OSP**
- Safety and Security
- BIM
- **DAS**
- WiFi systems
- Network infrastructure
- Telecommunication Project Management
- Installation and verification of the Project



# BICSI DISTRICTS





# Data Center Design Consultant



[www.bicsi.org/credentialing](http://www.bicsi.org/credentialing)

# Registered Communications Distribution Designer

***Bicsi***<sup>®</sup>  
***RCDD***



[www.bicsi.org/rcdd](http://www.bicsi.org/rcdd)

# BICSI program for Installers



[www.bicsi.org/installation](http://www.bicsi.org/installation)

# International Partnerships



[www.bicsi.org/partners](http://www.bicsi.org/partners)



# BICSI ICT STANDARDS

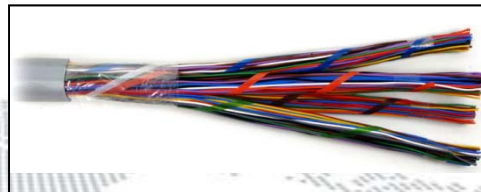
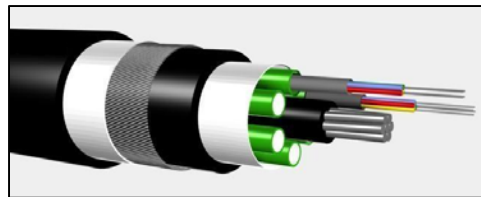
## IEEE

Message appearance and structure and transmission characteristics

7	Application
6	Presentation
5	Session
4	Transport
3	Network
2	Data Link
1	Physical

## ISO/IEC & TIA

Defining media and system requirements for transmission



## BICSI

Defines how to do proper design using defined parameters of transmission and medium



**Slide 13**

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**MVK1**

Miodrag, 9/23/2017

# ANSI/BICSI Standards

- Buildings
  - K12 / Educational Facilities (001)
  - **Data Centers (002)**
  - Hospitals (004)
  - **Smart Buildings (007)**
- Installation
  - Cabling (NECA/BICSI 568)
  - Bonding and Grounding (NECA/BICSI 607)
- Rest
  - BIM for ICT (003)

## NEW

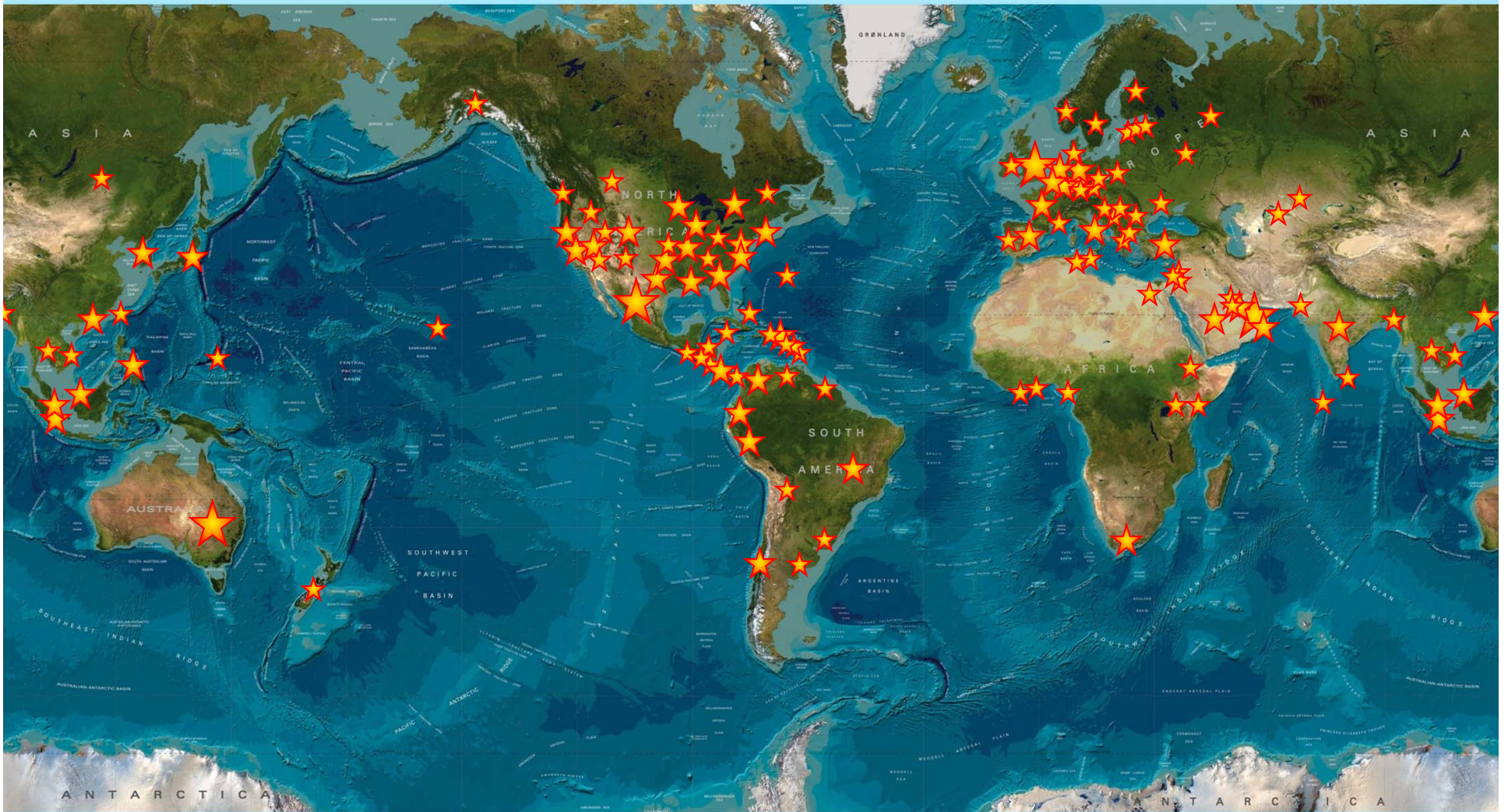
- Systems
  - ESS (005)
  - **DAS (006)**

**Standards are „royalty free“**

[www.bicsi.org/standards](http://www.bicsi.org/standards)



# BICSI Standards Range





# BICSI Presence

## **Conferences and Exhibitions**

Tech presentations, competitions and „networking“

## **Breakfast Clubs“**

Tech presentations and tech talks over the breakfast

## **Pub Clubs“**

Tech presentations and tech talks over beverages

## **Seminars**

Technical presentations at the organizers place

# Why BaU



**Life & Services of a 21<sup>st</sup> Century**

**NO ORDINARY  
DISRUPTION**



# QUALITY OF A PROJECT IMPLEMENTATION





# RISK – Cause & Consequences



**This is not the SOLUTION**



# How to avoid it





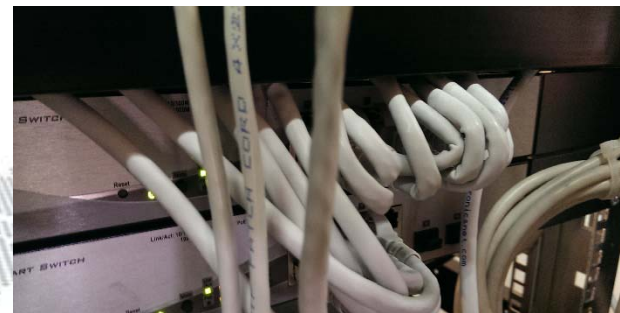
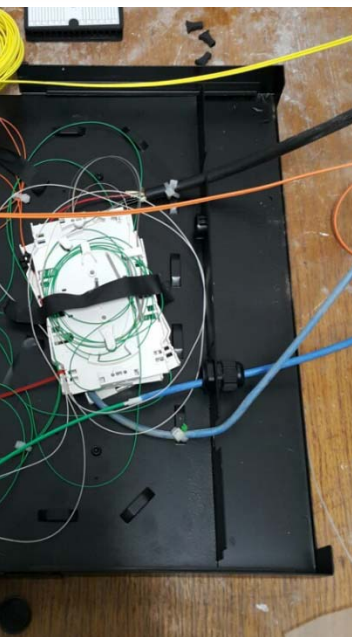




# SOLUTION

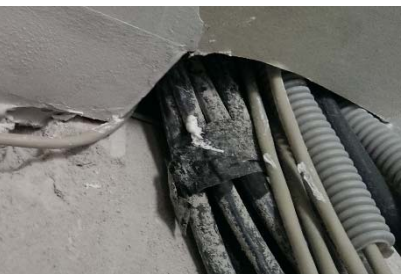


# Otherwise... SCS Horror



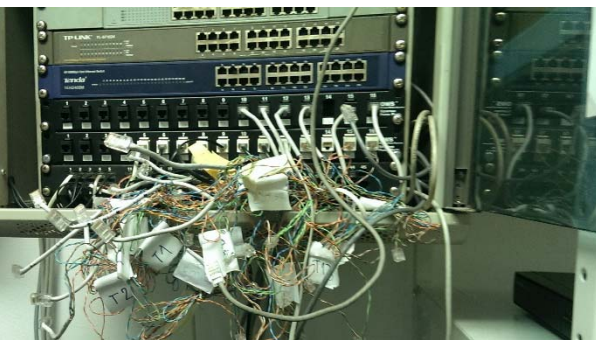
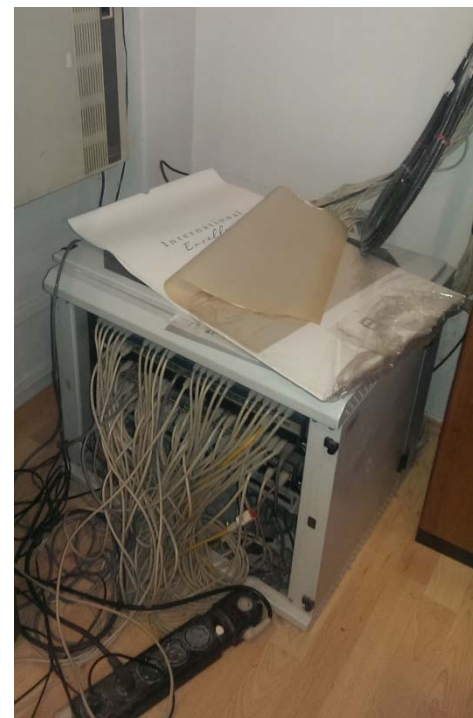
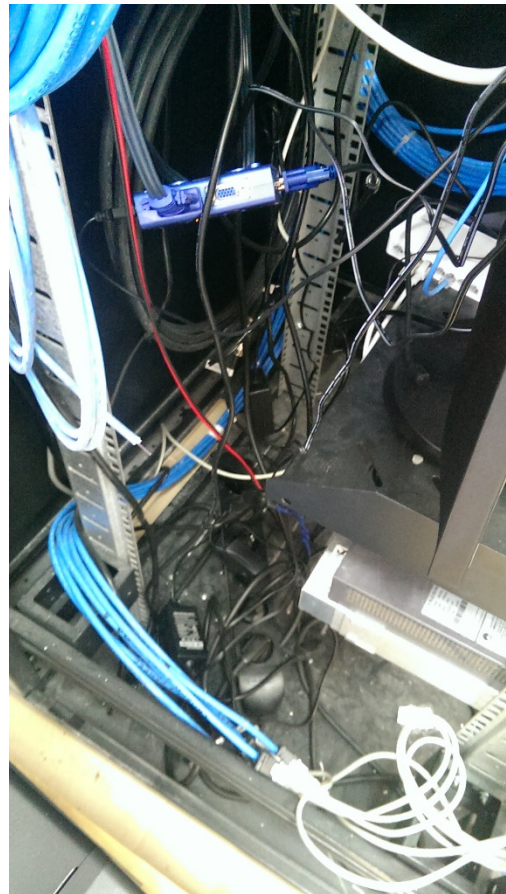
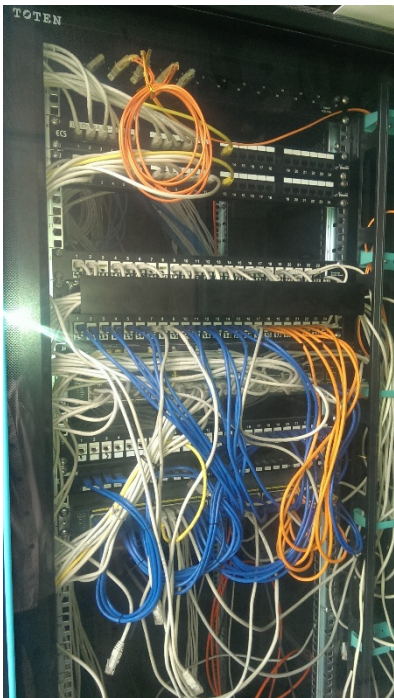
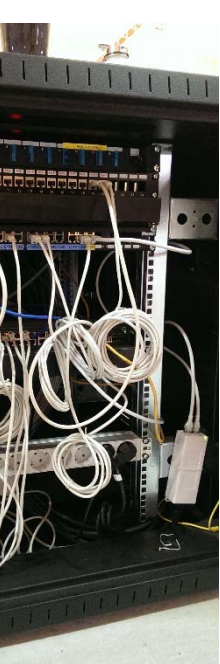


# And what about the hidden space - Plenum



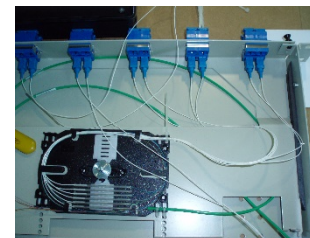
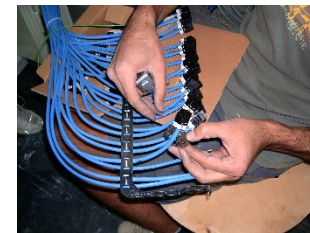
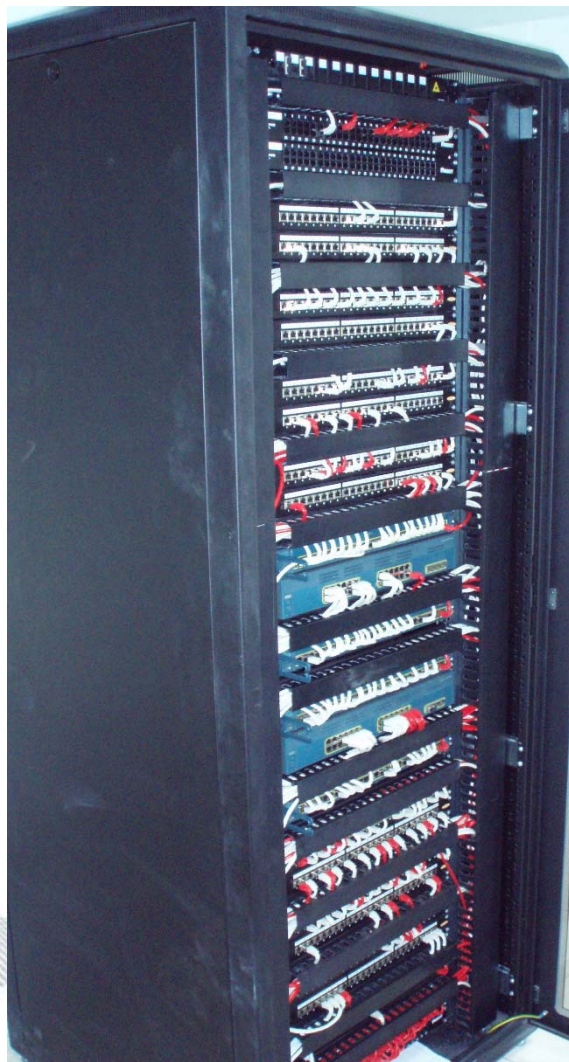
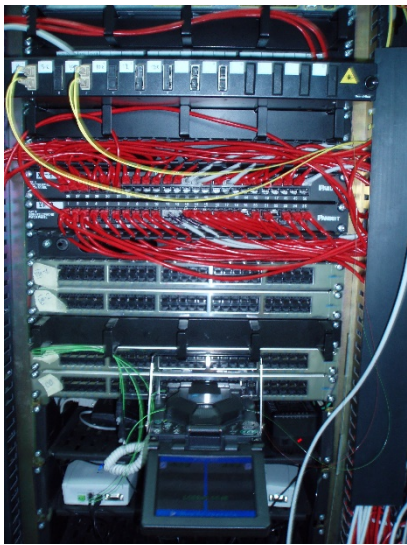
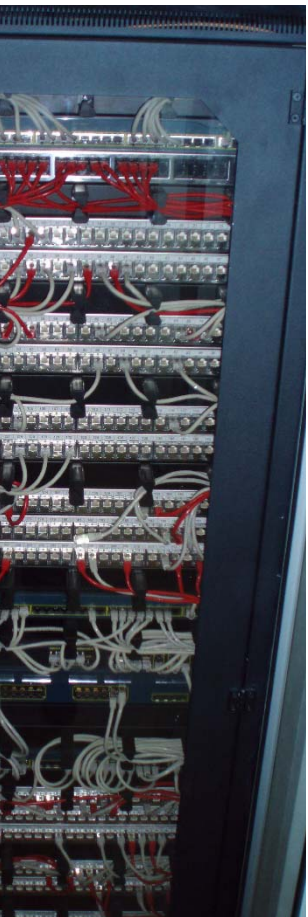


# Even in the „DCs“





# Why cant we all be reponsible...



**Ricci**



# This is way we have to be responsible

Global

By 2019

IP  
F

Users

2019

3.9 Billion

2019

4.4 Billion

2019

2.5 Mbps

2019

80% of  
Traffic

cast, 2014–2019

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1

 CISCO

 Bicci®

# Advice



**KEEP CALM  
AND**

Continue

**Business  
as usual**

# What you need to know

Professional advancement – knowledge and career

For individuals and/or Companies

Advancing the quality of SCS and infrastructure  
through a education and specialization

International Association of a great range





# Stay tuned

**facebook.**

[www.facebook.com/bicsi](http://www.facebook.com/bicsi)

**Linked in**

[www.linkedin.com](http://www.linkedin.com)

**ou Tube**

[www.youtube.com/bicsi2008](http://www.youtube.com/bicsi2008)

**twitter**

[www.twitter.com/bicsi](http://www.twitter.com/bicsi)



# Invitation to 17 BICSI Mainland Europe Conference



*advancing the information and  
communications technology community*

A stylized map background with various colored location markers (blue, red, orange) and a blue arrow pointing towards the text.

Rome - 24<sup>th</sup> October 2017

HOTEL CROWNE PLAZA - St. Peter's

Mainland Europe Conference and Exhibition



**Thank you!**

**Miodrag Kovanovic**

**Mainland Europe District Secretary**

**[miodrag.kovanovic@bicsi.org](mailto:miodrag.kovanovic@bicsi.org)**

