



Orange County Network Services  
OCNS

*Safely Connecting Businesses and Organizations  
with NO customer impact*

# Orange County Network Services

## Mission Statement:

*To leverage our extensive experience in Network Technologies and Structured Cabling to integrate a reliable Connectivity Solution in a safe and efficient manner resulting in the best possible end-user experience.*



*Cellular DAS Signal Boosting*



*WiFi Design, Configuration, Installation & Signal Testing*



*California license # 1072360 Low Voltage Integrator*

# Orange County Network Services

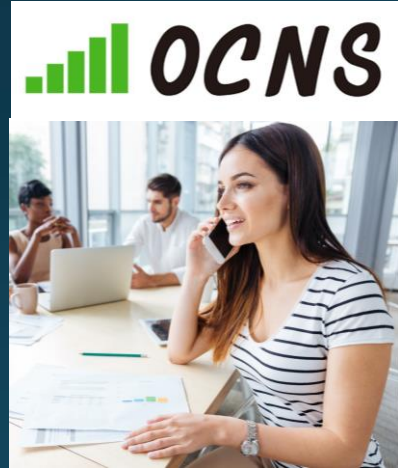
- Experienced professionals from the Networking, WiFi, Cellular and Cabling Industries
- Projects in California, West Coast and out-of-state
- Based in Irvine, CA



# Connectivity Solutions



Guest WiFi



In-Building Cellular Coverage - DAS



Structured Cabling



IP Surveillance

Designed and Deployed by OCNS

# Services We Offer

## Basic Installation Services

- ✓ Inventory BOM
- ✓ Rack Stack in MDF/IDF
- ✓ New Cable Runs
- ✓ Install APs
- ✓ Decommission Equipment
- ✓ Complete Documentation
- ✓ Post Install Heatmap

**Client** Pre-Configures  
Equipment

## Full-Service Installation

- ✓ Perform Basic Installation Services
- ✓ Site Survey & Heatmap to create network design & BOM
- ✓ Configure VLANs, SSIDs, Firewall
- ✓ Cutover to Network Provider

**OCNS** Pre-Configures  
Equipment

# OCNS Hospitality Experience

- Subcontractor Installations completed for: Marriott, Starwood, IHG, Hilton, Boutique Hotels

## Hampton Inn – Carson, CA First Installation

*“We own 6 hotels and our network upgrade done by OCNS was the smoothest out of all of our properties”* – Matthew Ng, Owner

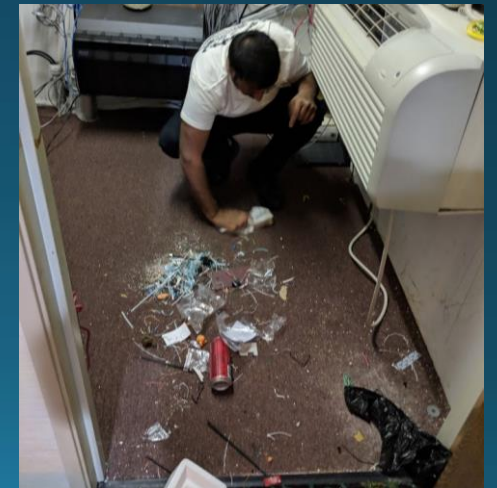
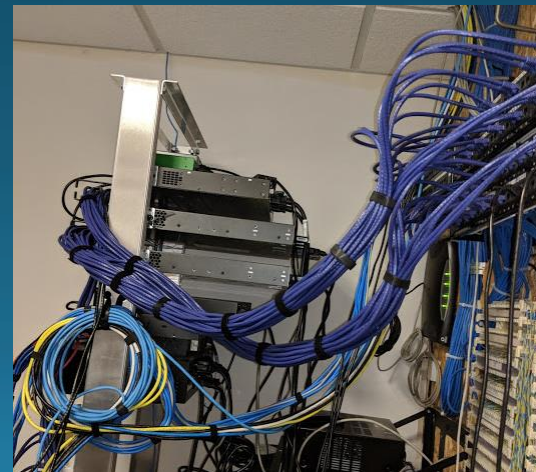
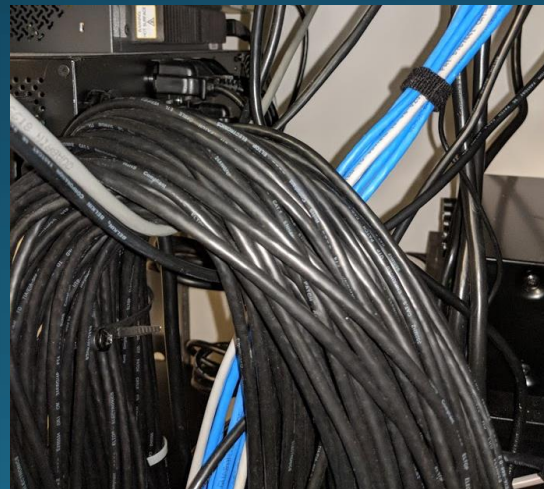
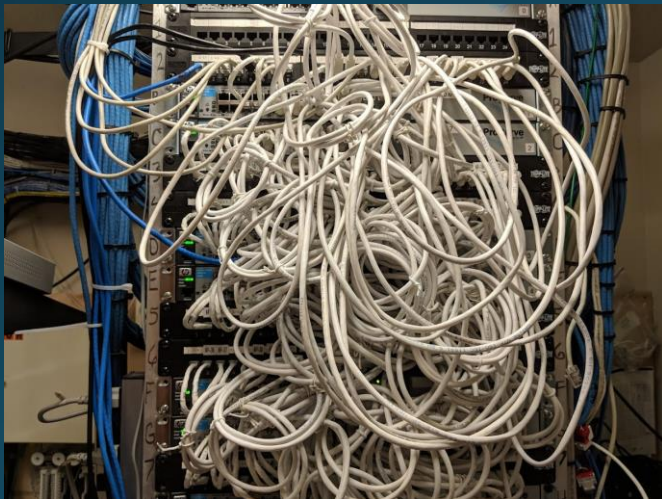


## Andaz by Hyatt – West Hollywood, CA

*“We were at 100 % occupancy when OCNS installed our new network with zero downtime and no guest disruption”*  
– Anthony Wei, IT Manager

# Challenges We Overcome In Connectivity

- No Isolation of Admin and Guest Networks
  - No Admin Network documentation
  - Admin ISP routers plugged into guest HSIA UPS
  - Admin Mitel phone controller plugged into guest HSIA core switch
  - Back office computers not documented and connected to 3<sup>rd</sup> party guest HSIA core switch
  - 3-4 generations of legacy equipment



# About OCNS Staff

Jeff Darst – Relevant Experience & Education:

- ✓ BA – Oregon State University
- ✓ MBA – George Fox University
- ✓ Cisco CCNA R/S
- ✓ Ruckus ReX certified
- Intel Corporation – Wireless Networking Group, OEM program manager
- Hospitality Network Service Provider – Sales Manager, closed Starwood Phoenician Resort (\$ 250k) design, Starwood Owned and Managed property
- International Provider – WLAN Pre-Sales Engineer
- National VAR Reseller – Regional Sales Manager Professional Services
- Regional Cabling Provider – Structured Cabling Regional Sales Manager





# OCNS Design & Deployment

## Lead

- Supervisor - Trainer
- Final escalation point
- Customer and End-User communication
- Cisco CCNA
- Site Surveys
- Installation Lead
- Post Install Heat-Map
- Daily Reports

## Technicians

- Supervise 2-3 Techs
- Interface with GM
- Issue Escalation
- Inventory
- Installation
- Daily Reports
- Cut-Overs
- Cabling
- Heatmap

## Network Engineer

### Certifications:

- ✓ CCNP
- ✓ Brocade
- ✓ Microsoft
- ✓ Palo Alto

### Hardware:

- ✓ Aruba
- ✓ Ruckus
- ✓ Meraki

## RF Engineer

### Site Analysis:

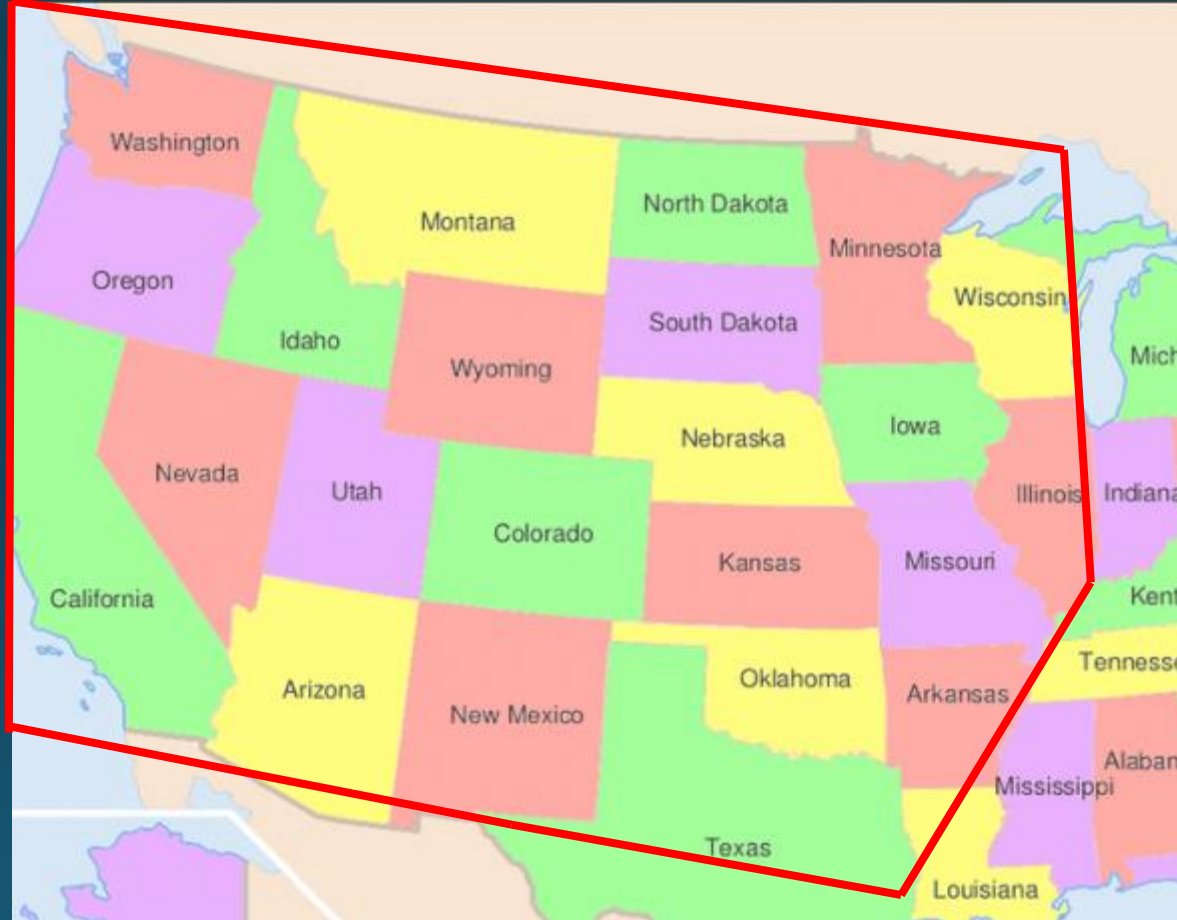
- ✓ RSRP
- ✓ RSRQ
- ✓ RSSNR
- ✓ Antennas
- ✓ Design

# Orange County Network Services

- Technology Certifications: Ruckus, Cisco Meraki, HP, Aruba
- Cabling Certifications: RCDD Estimator, BICSI Certified
- C-7 Licensed in the State of California – work nationwide
- Fully Insured up to \$ 2,000,000 aggregate
- All employees have California Workers Comp insurance

*Connectivity Issues ? We Solve These Problems !*

# OCNS – Preferred Service Area



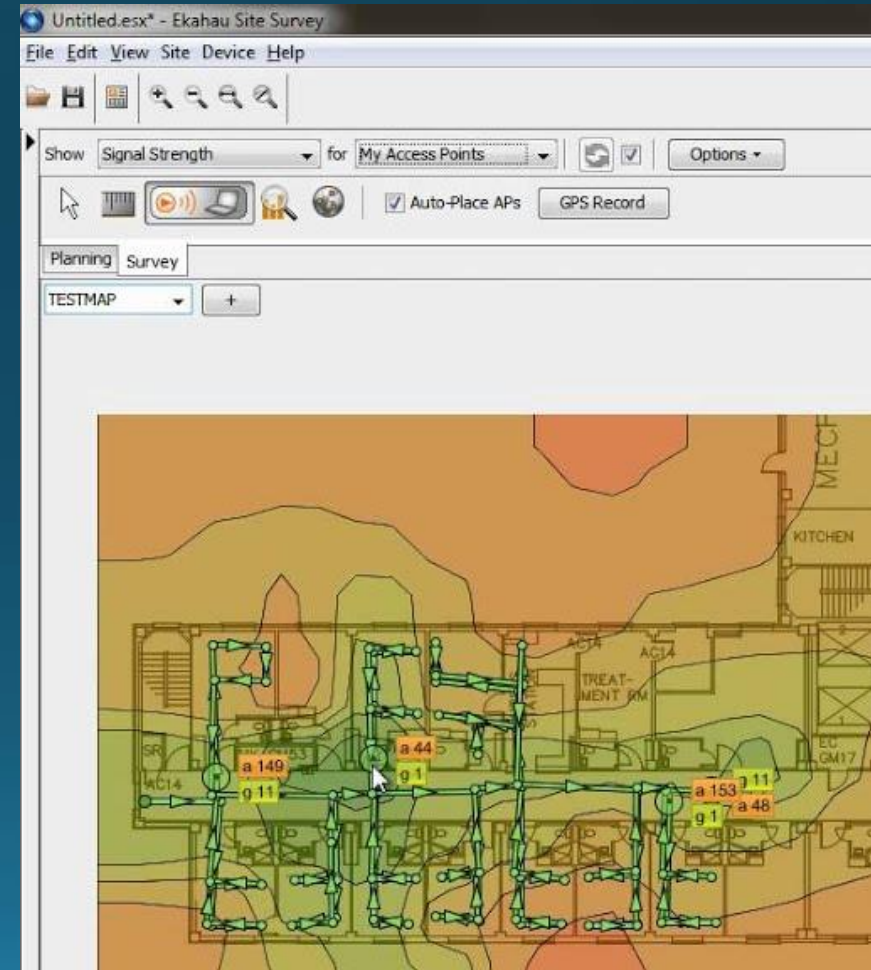
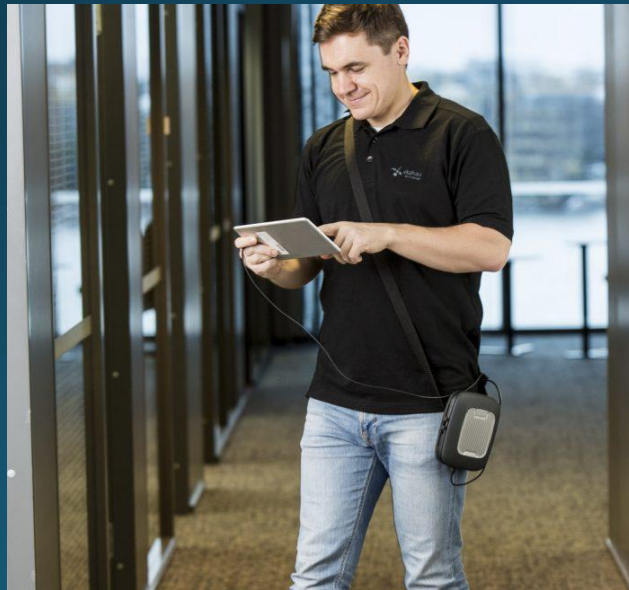
# OCNS Pricing & Travel Costs

Los Angeles, Orange County, San Diego, Riverside County NO Travel Cost  
More than 50 miles from Irvine, CA (92604) Travel Costs apply



# WiFi Site Surveys – Ekahau & Airmagnet

- Will survey “blocks of rooms” to measure dBm reading – target – 65 dBm or entire building
- Ruckus Wireless R510 and H510 APs



# In-Building Cellular Coverage

## Cel-Fi Advantage:

- Lowest cost per sq. ft. for In-Building DAS Solution
  - 100 db of antenna gain
  - No carrier contracts to sign
- Boosts and re-broadcasts your carrier inside your building
  - Boost one carrier or all 4 in the US !



## DATA SHEET

MODEL NUMBERS:  
Q34-2/4/5/12NU  
Q34-2/4/5/12CU

# CEL-FI<sub>®</sub> QUATRA 1000

## 3G / 4G / LTE

In-building Cellular Solution

Cel-Fi QUATRA 1000 is a scalable in-building cellular solution that is both a cost-efficient and easy-to-deploy solution, delivering high-quality signal in venues up to 200,000 square feet (19,000 square meters). It is a hybrid solution that combines the best of active DAS and Smart Booster technologies. It operates in off-air mode or can be integrated with carrier small cell equipment and operated in distributed small cell mode, creating a Supercell.



# Complete IT Solutions for Hospitality

Internet Access for Brand Standards




Best Technology Solutions for Hospitality

High Speed Internet



**TPX**  
COMMUNICATIONS

Cabling for IP Devices



**General Cable**

Guestroom IP Phones



**FOURTEEN**  
IP COMMUNICATIONS

Digital Signage for property



**JANUS**  
DISPLAYS  
by  
MORROW TECHNOLOGIES

In Building Cellular Boosting Solutions



**CEL-FI**

Authorized TPX Agent (VR-2397)

(949) 220-3567 | [www.ocnsonline.com](http://www.ocnsonline.com)



# ThunderBoltz Electric

- A California Licensed C-10 (Electrical) and C-7 Low Voltage company
- License number # 1072360 Contractors State License Board
- Established in early 2020
- New construction, conversions, remodel, ancillary cabling





# Let's partner together on your next Connectivity Project

