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شركة فاد المتقدمة لتقنية المعلومات المحدودة  
Fad Al Mutaqaddimah for Information Technology Co LTD

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Network &  
Infrastructure  
Solutions



Network  
optimization



Unified  
Communications



IPTV Hospitality  
System Solutions

## Our Specialities



Leading IT Consulting Service  
Provider in Saudi Arabia



Leading Datacenter  
Solutions Provider in Saudi  
Arabia



Leading Network Security  
Provider in KSA



Leading IPTV Provider  
Saudi Arabia



## Company Brief

Fad Information technology company is an emerging professional cyber security and consulting company established in Saudi Arabia. In the tech-savvy era, cyber security and network security play a crucial role. Cybercrime isn't limited to hacking, phishing, or ransomware attacks. The percentage of malware attacks has been constantly rising and proves to be a threat. As the risk increases, the number of professionals required to puzzle out the issues increases too. We solely focus on cyber security network services, Remote support, Certified training, our sourcing, Security operation Centres, etc. Our priority is to provide end-to-end security. Our specialties include skilled and diligent professional consultants in the respective security domain, experienced in handling basic to sophisticated services



# Our Services

## Network Security Solutions

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## IPTV Hospitality Solutions

Network Security



Network & Infrastructure Solution



Network Monitoring



Network optimization



Unified Communications



**Fad Information Technology Company** leading is a professional cyber security and consulting services company based in Saudi Arabia. Cyber security and network security are two of the most popular fields in the tech world. As the number of cyber-attacks increases, there is an increasing demand for professionals with knowledge and skills in these fields, we are mainly focusing on professional Cyber network security services, Remote Support, Certified Training, Outsourcing, Assessment, and Consulting Services, Security Operations Center (SOC), and Managed Security Services (MSS). We are a Cyber Security and Consulting services firm focusing on Cyber Security end-to-end services

Contact Us



Video Headend



Transcoding



Set top box



Middleware

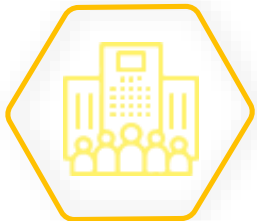


Multi screen



Smart TV

## Main Headings



IT Consulting  
IT Solution Design  
IT Implementation  
IT Support Service  
IT Network Operations  
IT Managed Services



# IPTV Hospitality Solutions



## IPTV Headend

Navigating video on-demand content never been easier with the smooth user interface.



## IPTV Middleware

middleware is feature enriched with major features such as a menu, radio, messaging, PMS integration, and many more



## Content Source

Publish local stored and externally imported Video on Demand video assets



# Service module

Service module provide the hotel operator to create unlimited number of services with easy to use one click call on the remote control providing the guests with a new level of in-room service delivery







# IOT & GRMS

Smart home / smart room module to connect and control various devices in the room via simplified process and user interface.



# Modular Functions



## Full HD & 4K Live Television

Simplified user experience and advanced channels management and signal acquisition.



## Video on Demand

module ready to offer locally hosted movies and series or cloud hosted VOD Service.



## GRMS and Smart home ecosystem

for easy monitoring and control of connected devices Gaming



## Audio on Demand module delivering

locally hosted Audio albums and web radio, podcast lot



## Own App Store

The platform owners and operators launch their own app store publishing various own and third-party android apps.



## Gaming platform

New level of entertainment by offering the guests and users with wide range of android games.



## Web Apps and data visualization

Aggregate and publish HTML base web application, social media feeds, live data presentation



## Services Call Module

Create unlimited services for your guest to call from the comfort of their remote control



# Promotional Platform



The Set-top box Macvision provides various branding and promotional spaces turning the whole system into a state-of-the-art entertainment and promotional platform providing the operator the options and choices to promote various services and create new revenue streams by being able to sell advertising airtime



Branding

Your ads here

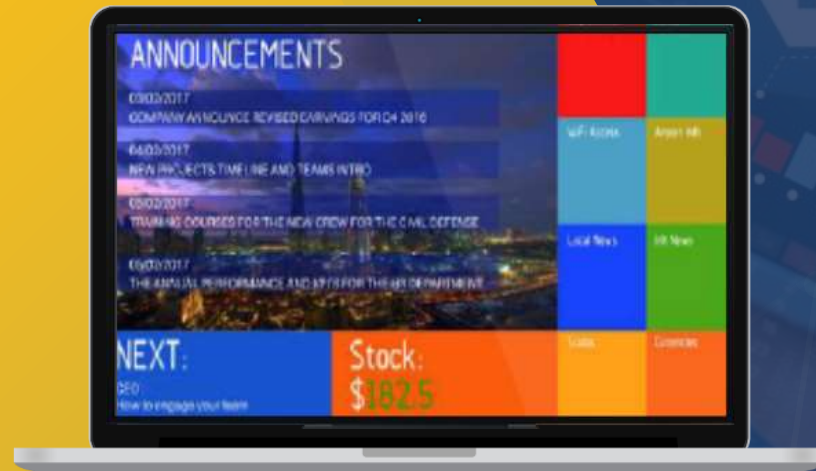
Your ads here



Dynamic Widget area Weather, News, Advertising Space, Announcements



# Information Channel



Corporate

Media assets management module with easy to create playlists and campaigns workflow , scheduling and publishing of unlimited number of rich and engaging information channels streams distributing it to any connected screens with no limitation to the screens physical locations



Promotion





## Key Features

Centrally Managed with different access rights to users as per their assigned roles.

Unlimited grouping of screens and locations.

Fully secured via AES encryption for mission critical operations

Support scheduled LIVE Streaming of live TV, camera feed and social media live feed.

Support full HD and 4K content playback.

Full digital assets management module

Multi-media preview support : Images, videos , presentations, web-pages viewing, social media feeds.

Public announcements and on-screen broadcast or unicast messaging to guests

Ads insertion for ads sales operations

# Digital Signage & Info Publishing

State of the Art digital signage module allowing the operator to create digital signage campaigns and information channels, schedule and publish content to screens in one or multiple geographically located screens







# Set-Top box

Powerful and affordable  
Android – based set-  
top-boxes



## 4K Support

Presenting the future ready Ultra High Definition 4K that takes TV viewing to an unimaginable new level! Now See picture details like never before.



## Wide Screen

Cinematic viewing experience with the support of 16:9 true wide screen output to the connected television sets and screens.



## Apps & Games

Android based Apps and games and games can be installed by users or operators.



## CEC Control

Control connected television sets (Power and volume change) functions from the Set-top Box Remote control for convenient and power saving when used as digital signage player.



## STB Monitoring & Control

Powerful set of tools allowing the system admin to monitor the entire IPTV system for potential service interruptions, remotely monitoring the health of all connected Set-top boxes, execute commands remotely to install new software and apps, schedule system upgrade, unicast and multicast messaging and more.

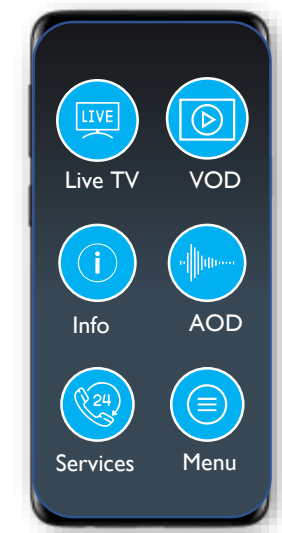


# Smart TV & Mobile client

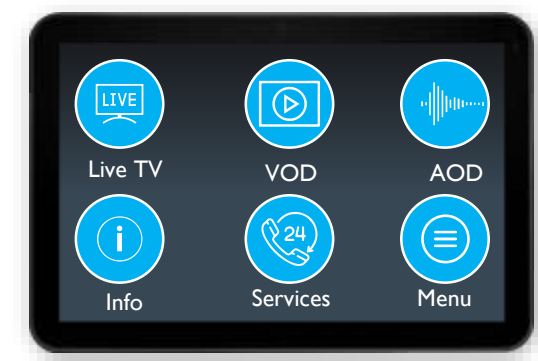
Multi-device client ready to be deployed in various screens, Smart TV, Smart phones and various tables and touch screens clients is available and can be customized to meet any type of requirements



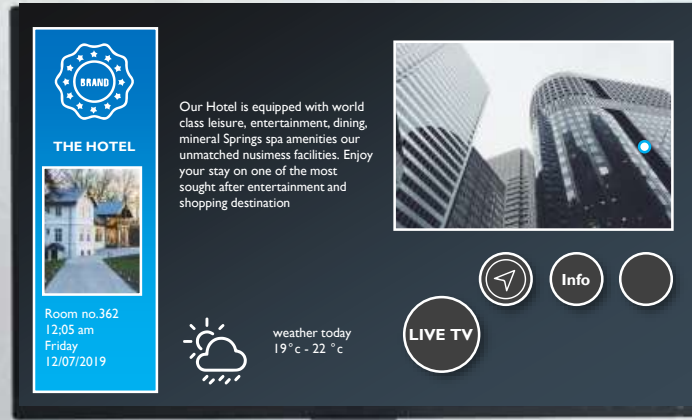
Smart TV



Smart Phone



Tablet



# Platform Administration

Unique set of tools are provided to manage the system middleware by the system administrators, access rights and permissions, monitor and control the entire connected set-top boxes and screens, remote support, public announcements and much more.

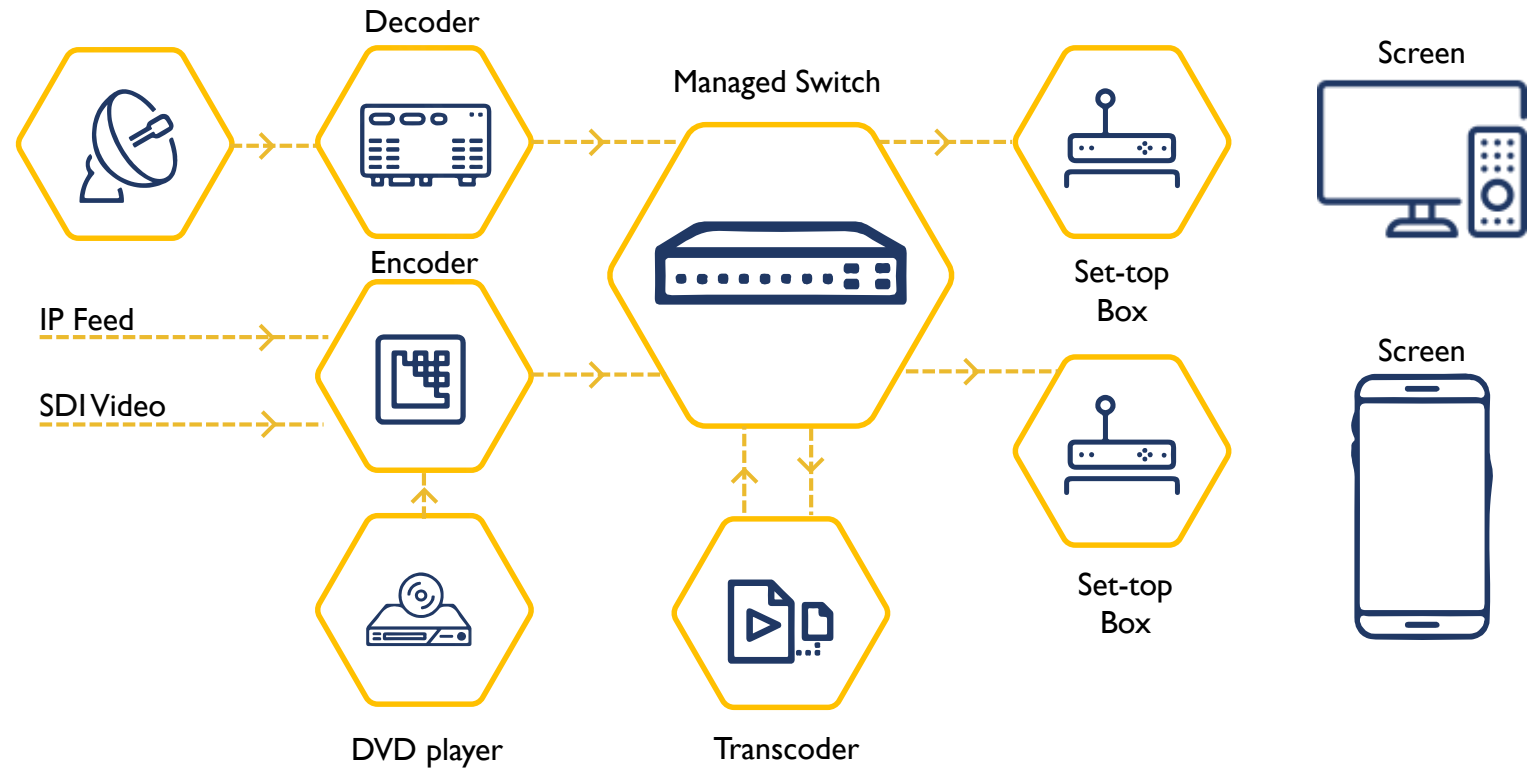






# Architecture

Resilient open architecture deployable on private or local cloud infrastructure, modular features for various deployment types as per the client or the operators requirements



Remote M&C

Cloud

Premise

Standard IT Gear



# Satellite Master Antenna Television Systems (SMATV)

The satellite master antenna television system (SMATV) is used often when number and type of channel are to be controlled and supplied to multiple television. It's used not only for television but FM channels as well. The advantage of the SMATV is that all homes in the community-building can share the installed satellite antenna eliminating the need for a separate one for each user. It allows you to customize your programming according to your audience's needs and desires. The SMATV is used by hotels, motels, dormitories, commercial properties with multiple tenants and schools etc. SMATV consist of single outdoor unit feeding multiple indoor units. The channel used by each television is independent of other television

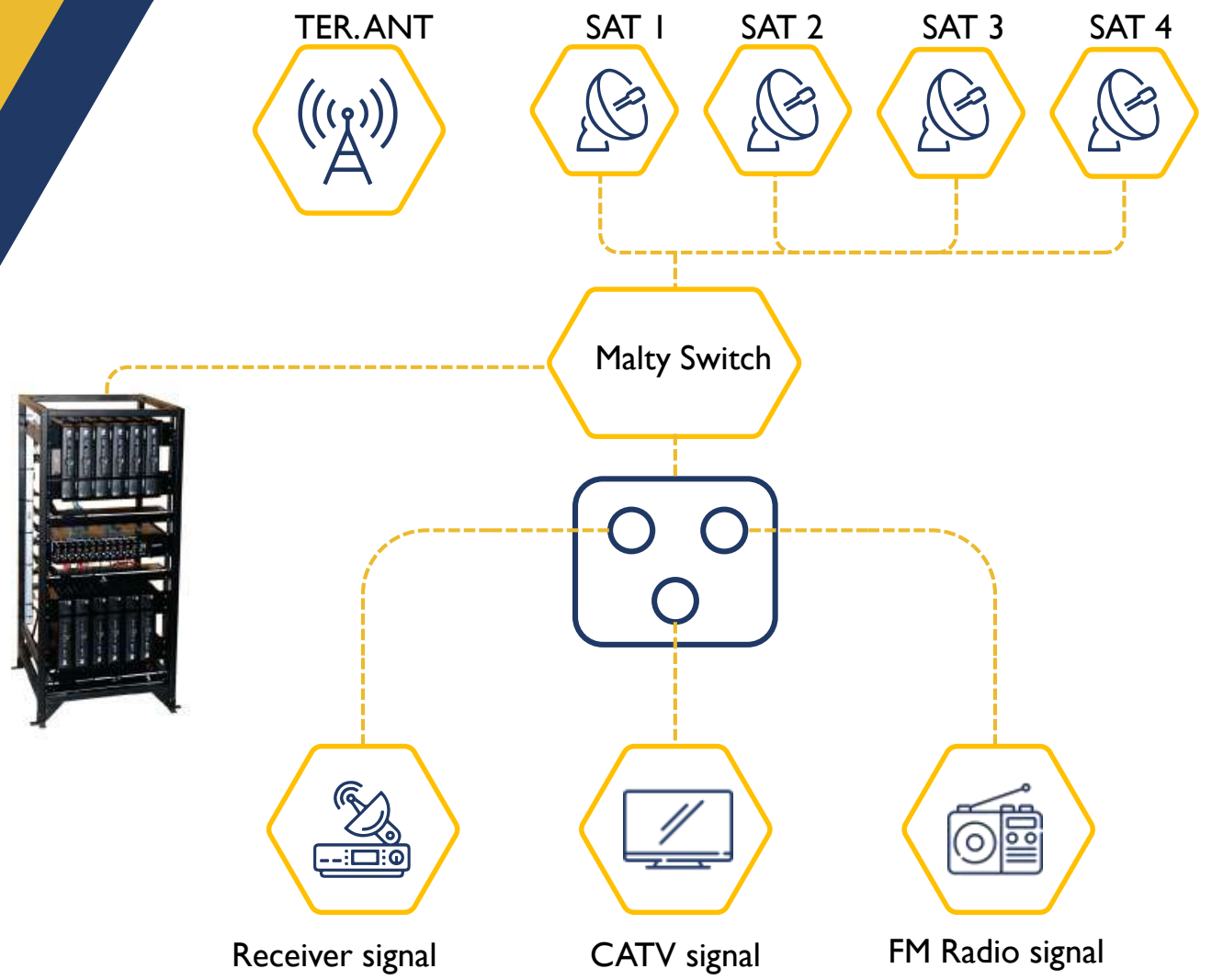


- ◆ Roof-mounted antenna
- ◆ Polarity locking IF launch amplifier
- ◆ Coax cable run from satellite antenna to "head end" rack
- ◆ "Head end" equipment rack (see the photo of 12 channel)
  - Splitters (if more than one multi-switch is required)
  - Multi switch
  - Macvision receivers (one per channel)
  - Modulators (one per receiver/channel)
  - Combiner RF amplifier | 6Page Retune





# MATV / SMATV / CATV SYSTEMS



# Some of Our Valuable Clients





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Fad Al Mutaqaddimah for Information Technology Co LTD

**Thank You**