

# ETS Case Study

## PROJECT OVERVIEW

### Sustainability Meets Reliability

The YMCA of Greater Houston previously approached Electrical Tech Services to help them with various new and remodel expansion projects. One of the main challenges troubling many of the YMCA facilities at the time was bad design and damage to its communication cabling infrastructure, critical to its “Fitlinxx” workout environment. The YMCA uses a Fitlinxx software platform, which integrates technology into everything members do throughout the entire facility. The system tracks every class, every weight lifted and every mile run by each member, adding value to the members experience and catering to customized training programs. An integrated facility solution needed to be designed and implemented by an experienced and professional technology contractor. The YMCA sought out Electrical Tech Services to help them address these challenges for the new projects.

In addition to an integrated facility and cabling solution, the YMCA needed to maintain its 24/7 operating hours while the project was in full swing—even if that meant cable had to be installed at odd hours during the night so as not to disrupt their members.

- Custom, design-build cabling solution
- Expansion project
- Maintain 24/7 business working hours

### What is FitLinxx®?

YMCA members are given a membership PIN number when they sign up. Every time they come to the Y, they use their PIN to gain access to all the machines. Once entered, the machine reads their data and creates a “member profile” which stores all of their previous workout information through the FitLinxx® software system. Members are able to review their past workout history, track their progress and meet personal goals.

## CHALLENGES

- Bird’s Nest Cabling: Existing cabling was mislabeled, tangled and damaged
- Trip Hazards: Exposed cabling near workout equipment posed serious danger
- Cable Protection: Without a good strategy, data cabling would become damaged
- Cabling Eye Sore: Exposed cabling is not the most beautiful thing to look at in a new facility
- FitLinxx® System Performance: Ensuring every machine was quickly and easily repaired if down



### CLIENT SNAPSHOT

#### Houston Area YMCAs

2600 North Loop YMCA  
*Administration Office*

Katy YMCA

Foster Family YMCA

Tellepsen Family YMCA

Clay Road YMCA

Langham Creek YMCA

Cypress Creek YMCA

Creek Side YMCA

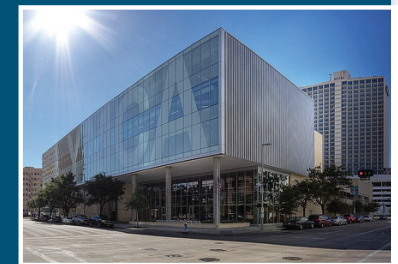
Trotter Family YMCA

Weekley Family YMCA

Houston Texan’s YMCA

Lake Houston YMCA

Magnolia YMCA



**ElectricalTech Services**  
*Making the connection.*

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## SOLUTION

ETS proposed a **“design-build” strategy**, customized and designed for achieving a specific purpose from start to finish. By operating as a partner with the YMCA, ETS was able to answer questions right away, thereby maintaining consistent customer service.

By installing a Walkerdect system, ETS was able to create a “partially modular grid” below the flooring, so the **structured cabling was protected, out of sight, easily maintained and customized to various YMCA needs.**

This added value solution provided the YMCA the flexibility to make future moves/adds/changes (MACs) **without large investments and zero critical down time.**

Electrical Tech worked with several premier general contractors to maintain the YMCA’s busy operating hours, without requiring any downtime on the YMCA’s part. This meant YMCA members were able to utilize the facilities at full capacity, even while work was being performed and completed.

## RESULTS

The newly remodeled Katy YMCA with its ETS infrastructure solution **grew to exceed its membership capacity within one month of opening.**

**The ETS Cabling Solution played a crucial role in the YMCA’s success.**

## The Spinning Solution

Believe it or not, Electrical Tech Services sat through spinning classes, observing firsthand how the equipment was used. By doing so, ETS had a better understanding of how the systems should be designed and implemented, for the most efficient output for the cabling infrastructure.



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