



Creating \$114K in Solar Energy Value: A Food Retail Chain's Energy Transformation Journey with Apollo



#1 ENERGY MANAGEMENT SOFTWARE





How a Food Retail Chain Digitalized Solar Energy Management with Apollo to Achieve \$114K in Cost Advantage



About

One of leading food retail chains operates hundreds of stores with high-volume operational activity. With a wide store network, the company was managing energy consumption through manual tracking methods, facing challenges across billing, tariff management, and solar energy reconciliation processes.

The need for a centralized, reliable, and scalable energy management platform led the company to Apollo.

\$114,000

COST ADVANTAGE

82%

ANNUAL BILLING ADVANTAGE

Challenges & Solutions

01 Multi-Location Energy Monitoring and High Operational Effort

Managing energy consumption across hundreds of locations required significant manual effort. Without a centralized platform, energy data was tracked separately for each store, making it impossible to monitor and optimize from a single point.



Real-Time Energy Data at a Single Point

All store energy consumption was integrated into the Apollo platform. Manual tracking was eliminated; reliable and continuous energy control was achieved from a single screen.



Challenges & Solutions

02 Lack of Visibility in Solar Energy Reconciliation Processes

The complexity of solar energy reconciliation and billing made it difficult to track actual gains clearly. Billing variables, and reconciliation details could not be monitored in a transparent and automated way.

Solar Energy Vertical and Reconciliation Automation

Apollo's automatic reconciliation system enabled error-free billing for solar energy production. Gains from solar energy investments became measurable and transparent; manual errors were eliminated.

03 Billing Management Burden Due to Different Tariffs and Hundreds of Invoices

With different tariff structures across hundreds of stores, billing processes became increasingly complex. Manual control made it difficult to detect errors and billing inconsistencies, creating a significant operational burden.

Billing Discrepancies and Reconciliation Automation

Apollo's AI-powered invoice verification system automatically checked all incoming invoices. Discrepancies were flagged in real time; billing processes were managed centrally without manual intervention.

SOLAR ENERGY CONSUMPTION-PRODUCTION TRACKING

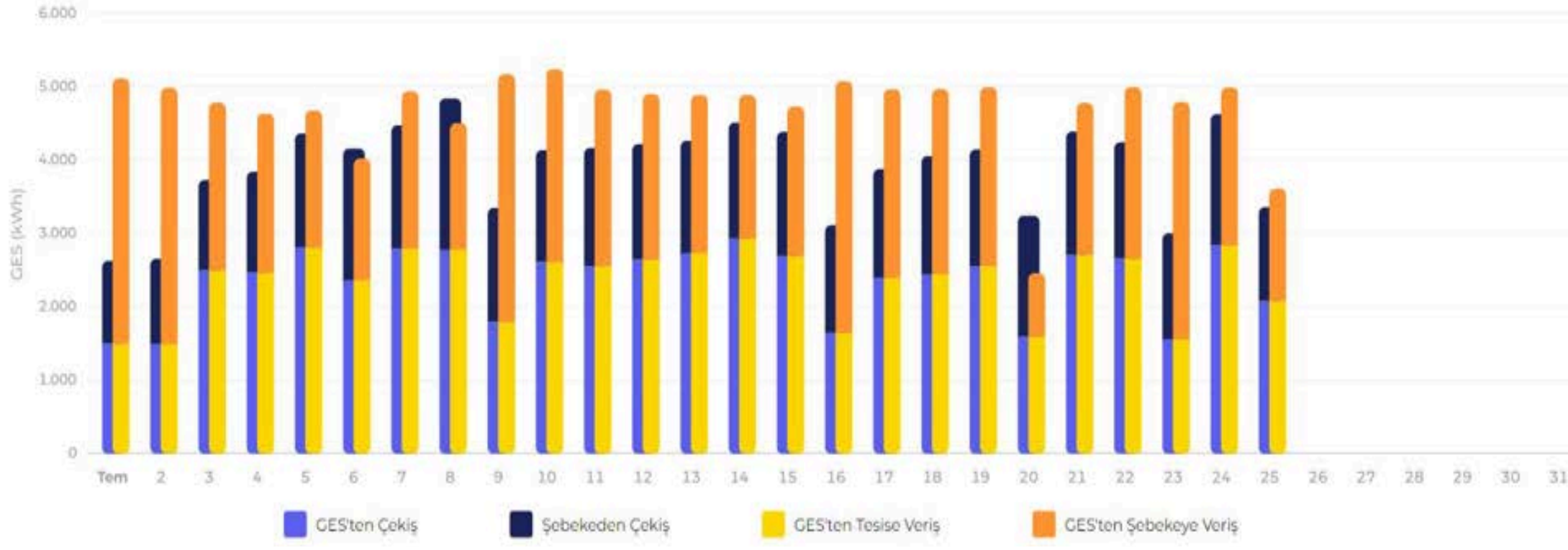


GES Grafiği

Günlük 1 Tem 2023 → 31 Tem 2023 Filtre Excel'e İndir

Tüketim 97.936,60 kWh Üretim 118.250,32 kWh Şebekeden Çekiş (% 39,46) 38.641,68 kWh Şebekeye Veriş (% 49,86) 58.955,39 kWh

1 - 31 Temmuz 2023



SOLAR ENERGY RECONCILIATION

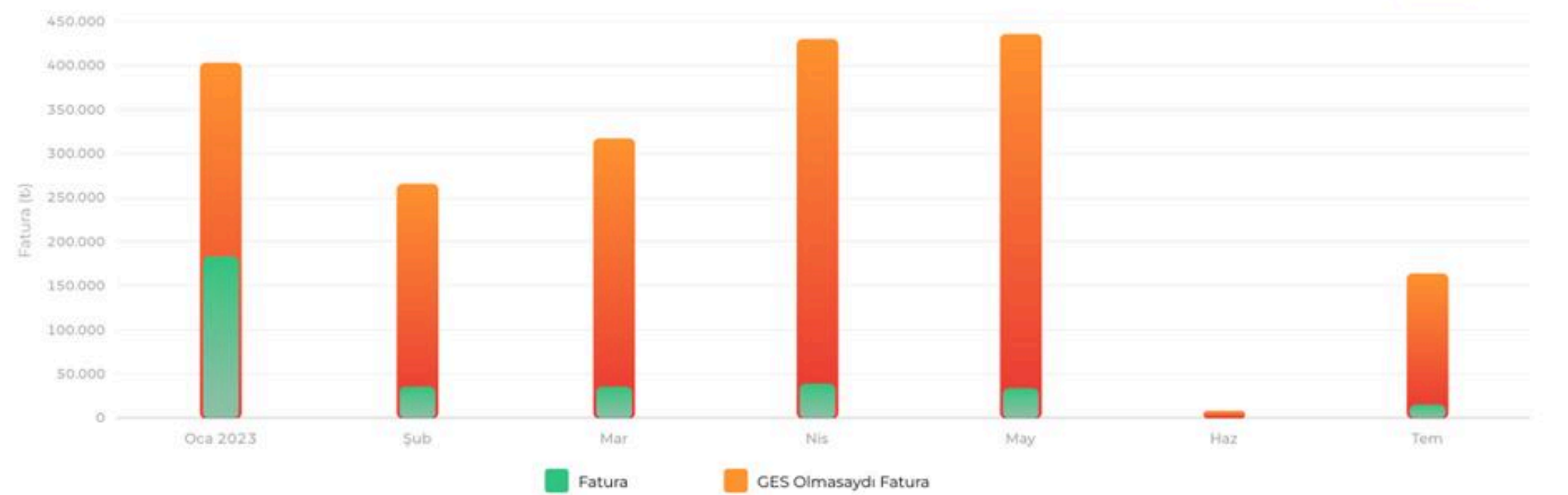


GES Fatura Grafiği

Aylık Ocak 2023 → Temmuz 2023 Filtre Excel'e İndir

Fatura 346.332,34 ₺ GES Olmasaydı Fatura 2.028.589,21 ₺ Fatura Avantajı (% 82,93) 1.682.256,87 ₺ Faturalanan Üretim 241.483,43 kWh

Ocak - Temmuz 2023



Achievements

Through its collaboration with Apollo, the leading food retail chain achieved the following results:

- Apollo's automatic invoice verification system detected over **₺2,000 in erroneous billing**.
- Real-time tracking of solar energy production **confirmed that the retail chain covers 75% of its energy consumption from solar energy**.
- Annual energy **billing savings of %82 were achieved**; a cost advantage of \$114,000 was secured.
- All reconciliation and billing processes were automated on a single panel, **eliminating manual workload entirely**.
- Thanks to Apollo's rapid integration infrastructure, the system was deployed **without any infrastructure investment**.

Thanks to Apollo's **AI-powered energy management solutions**, this leading food retail chain has become a benchmark in the industry for its **transparent, fast, and sustainable energy transformation**.

About Apollo

Apollo is the world's first and only AI-powered, cloud-based digital energy management platform that addresses energy tracking and management from end to end. Recognized as the 'Best Energy Technology,' Apollo ranked first among 79 companies in the Energy Sector Techno Project organized by the Energy Market Regulatory Authority (EPDK).

Distinguished by its cutting-edge AI technology, a world-first energy benchmarking feature, and a service model requiring zero infrastructure or hardware costs, Apollo analyzes energy consumption under three main pillars: Financial Analysis, Efficiency Analysis, and Environmental Impact Analysis.

By providing advanced data analytics, Apollo answers critical questions for facilities: 'How efficiently am I using my resources?' (Financial), 'How efficiently am I using my energy?' (Efficiency), and 'How sustainable am I?' (Environmental). The platform identifies specific areas for improvement and delivers actionable insights through its AI-driven recommendation engine.

