River Publishers

Gas Infra-red, the Green Heat

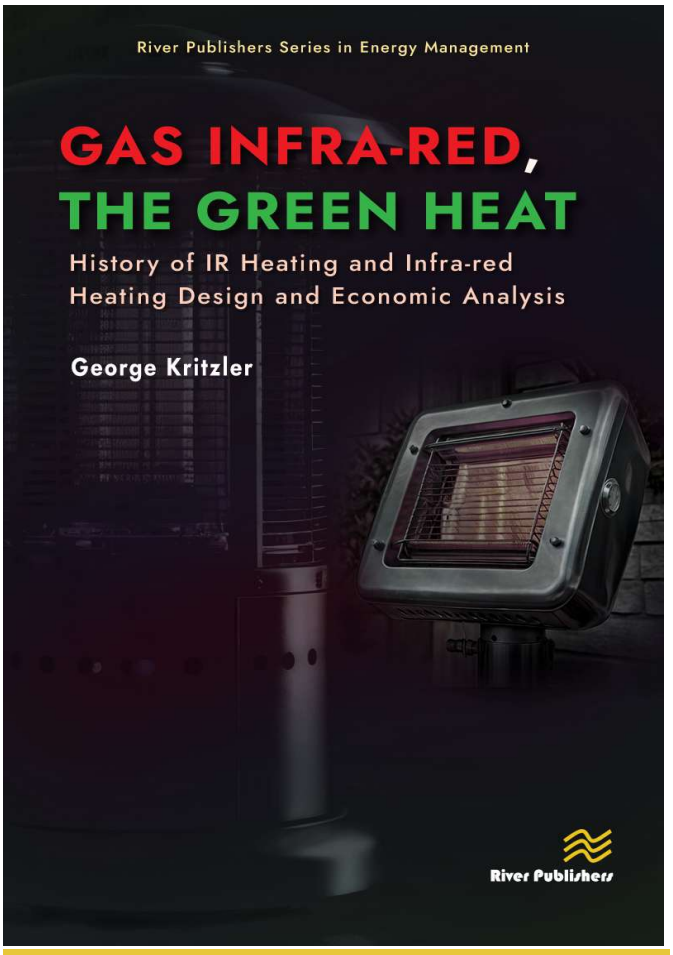
History of IR heating and Infra-red Heating Design and Economic Analysis

Author: George Kritzler, USA

This book is a self-study guide for HVAC energy and non-HVAC energy engineers and plant managers who either lack formal training in the subjects of finance, accounting, and gas IR heating engineering economics, or simply need a means to refresh their knowledge in these subjects. Many energy and non-energy engineers and technical managers feel inadequately equipped to comprehend and apply certain important finance and accounting principles. Understanding of finance and accounting principles is important in interfacing and conducting business with accountants, financial analysts, and members of upper management. This book is designed to familiarize energy engineers and other engineering professionals – in a relatively simple and easy to understand fashion – with decision making skills founded on financial calculations and case study based quantitative analysis.

TABLE OF CONTENTS

1. Gas IR Design Procedure, Concepts, Finance
2. Break Even Analysis, Annual Cost Analysis, Present Worth Analysis, Rate of Return Analysis
3. Energy Engineering Economics, Revenues, Energy Savings and Costs
4. Energy based comparison and decision-making between normal (typical) gas heating systems and gas IR heating systems
5. Types of Cost, Life Cycle Cost and Repair vs. Replace Decisions and analysis
6. EPC, Energy Performance Contracting and ESCOs Business, Economic and Financial Perspective
7. Comparison of Lease and Capital Investment Alternatives. Cost, Financial Justification and Understanding of EPC Contracts and Demand Elasticity



River Publishers Series in Energy Management

ISBN: 9788770046572
e-ISBN: 9788770046565
Available From: October 2025
Price: $ 130.00

KEYWORDS:
Organizational structures, break even analysis, energy project economics, engineering project economics, time value of money, revenues, savings, direct costs, indirect costs, EUAC, equalized uniform annual cost, financial reporting requirements, income statements, balance sheets, cash flow and working capital, financial metrics

www.riverpublishers.com
marketing@riverpublishers.com