

中国核心期刊（遴选）数据库 收录期刊

ISSN 1006-4311

CN13-1085/N

Value Engineering

JIAZHI GONGCHENG

2021 7

上旬刊（总第 603 期 / 第 40 卷）

价值工程

中国商界文联 会刊

中国技术经济研究会价值工程专业委员会 会刊
中国高等教育学会价值工程分会

中国学术期刊综合评价数据库来源期刊

万方数据—数字化期刊群入网期刊

中文科技期刊数据库收录期刊

ISSN 1006-4311



9 771006 431068

万方数据

价值工程

2021年7月上旬刊(总第603期/第40卷)
1982年创刊 2021年7月8日出版

中国商界文联 会刊
中国技术经济研究会价值工程专业委员会
中国高等教育学会价值工程分会

封面刊名题字:袁宝华

主管单位:

河北省科学技术协会

主办单位:

河北省技术经济管理现代化研究会

总 顾 问: 管在源

总 编: 高志彪

总 编 室: 师瑞

电 话: 0311-87024742

编辑部: 马慧霞

刘英禄

电 话: 0311-83020178

0311-83036626

传 真: 0311-87024742

投稿邮箱: vezzsbjb@163.com

网 址: www.vezzs.com

责任编辑: 高生明

封面设计: 王金军

版面设计: 韩宇红

国际标准连续出版物号: ISSN 1006-4311

国内统一连续出版物号: CN 13-1085/N

国内邮发代号: 18-2

国内订阅: 全国各地邮局

国内发行: 河北省报刊发行局

国外发行: 中国国际图书贸易总公司

印 刷: 廊坊市长岭印刷厂

编辑出版单位: 价值工程杂志社

社 址: 石家庄槐安西路88号

邮 编: 050091

国内定价: 30.00元人民币

海外定价: 30.00美元

目 录

* 价值管理 *

- 饮用水水质检测现状及存在问题研究 李叙柏 等(1)
- 生鲜电商 O2O 模式下消费者行为的影响因素分析 王军 等(3)
- 柳州市物流枢纽城市多式联运研究 刘文芳 等(5)
- 企业管理实践问题及决策研究 任志能 等(8)
- 技术创新与国际贸易的联系机制与影响研究 袁星梅(10)
- 云制造平台低碳运营模式分析 韩璐(12)
- 石家庄生物医药产业高质量发展对策研究 李茂青 等(14)
- 商业银行客户流失风险预警模型研究 吴颖怡(16)
- 交通强省视域下“低空开放”政策先行先试的可行性分析
..... 张博文(18)
- 区位因素对零售业态空间分布的影响 张思伟 等(20)
- 航材库存管理现状及对策措施探讨 孙绳山 等(22)
- 基于风险导向的企业纳税风险管控体系建设探索
..... 张玲莉(24)
- 乡村振兴背景下广西乡村旅游电商发展对策研究
..... 尹青(26)
- 机械工程中提升技术管理能力的路径研究 沈国春(28)
- 浅析企业国际贸易中金融风险应对策略 孙瑞昊(30)
- 论国有企业投资项目的内部控制与管理 易世利(32)
- 国地税合并背景下基本养老保险改革风险研究 张鸿宇(34)
- 建筑工程施工进度管理的注意事项分析 方力军(36)
- 基于云会计的企业全面预算管理研究 赵银萍(38)
- “无人机”项目管理中的问题研究 李力(40)
- 基于功效系数法的 H 公司财务风险评估 苗萌(42)
- 输配电工程及用电工程中线损管理的要点探究 陈云帆(44)
- 新形势下保障强制检定计量器具准确性的研究 王明建(46)
- 数字航道环境下航道电子巡查工作的探讨 冷杰(48)
- 高负债房地产企业的财务风险和应对 陈镛等(50)
- 房屋建筑工程造价管理与控制分析 郑小宁(53)
- 提升乡镇网点农户贷款营销成效的思考探述 田野(55)
- 建筑施工现场的安全事故成因及其预警管理机制 郭睿(57)
- 广南县新寨水库工地试验室标准化管理探索 沙鸥 等(59)
- 浅析房地产工程招标过程风险及管控 冯国建(61)
- 我国金融资产管理公司现状及发展建议研究 陈哲(63)
- 航空公司营销服务的个性化策略研究 郑腾飞(65)
- 乘用车地板地毯技术发展趋势及其应对策略研究
..... 张平秀(67)
- 探讨海洋石油的现场安全管理措施 卜平(69)
- 采矿工程的采矿技术与施工安全的研究分析 黄仁雄(71)
- 管理会计在建筑施工企业财务管理中的应用探析 张冠超(73)
- 新形势下电力企业经济管理创新策略探究 赵阳(75)
- 疫情下城市轨道交通运营分析与对策研究 曹大伟 等(77)
- 国有企业绩效薪酬激励体系的改革探析 李欣(79)
- 县域特色产业集群高质量发展研究 薛静(81)

农村全域土地综合整治工作中的问题及解决策略 李璟(83)	建设项目经济评价中敏感性分析的方法及应用 黄志刚(139)
PPP 模式的城市轨道交通项目风险管理分析 王浩宇(85)	便携式城市 PM2.5 监控系统设计 翟力欣 等(141)
我国公共租赁住房建设和分配管理情况分析 杨楠(87)	榆林市城市居住区热舒适性分析研究 师丽(143)
* 价值链·供应链 *	
弹性需求下考虑风险规避的反向保理融资决策研究 张瑜(90)	智能检测技术在四站装备维修备件联合保障中的应用 沈树楠 等(145)
基于云制造平台的供应链信息协同管理模式 王惠欣(93)	基于 Arduino 的航材仓库温湿度检测装置设计 刘登一 等(147)
* 功能载体创新 *	
五峰山长江大桥轨道控制网(CPⅢ)监测技术研究 王宇亭(95)	区域整体开发项目过程结算机制的应用与分析 宋月亮(150)
市政地下排水管道常见病害成因及防治分析 李思杨(99)	大数据时代医疗保险智能监控挑战及对策研究 刘佳颖(153)
大跨度框架墩盖梁支撑体系施工技术研究 刘玮(101)	一种基于 Excel 的跨系统数据整合分析方法 罗乐 等(155)
矿井暗立井钻、支、安一体化施工技术 张艳涛(103)	基于 Python 平台通过单因子指标法进行地下水质量评价 廖海斌 等(161)
连续梁 0# 块托架预压的设计及应用 杨波(105)	电气工程自动化控制中 PLC 技术实施探究 李昶志(163)
高层建筑结构优化设计中的问题与应对 李奕方(108)	新能源汽车维修中电子诊断技术的应用策略 郭航旭(165)
水电站调压井竖井滑模施工与安全管理分析 孙伟东(110)	生物基可降解材料经济可行性分析 赵会莲(167)
陶土板幕墙施工工艺技术 程涛(113)	石墨烯复合纳米材料在电化学传感中的应用分析 罗志轩(169)
矿井主煤流系统优化技术研究与应用 马永利(116)	某大型水利工程电力监控调度专网建设可行性分析 雒明哲(171)
SL20-5 型空气压缩机日常检查及故障分析 郑小磊(118)	电力输电线路中的节能降耗技术分析 丁皓宸(173)
高铁车轮锻造工艺研究 王汝海(120)	配电变压器接地装置的维护与改良 陈泽阳 等(175)
跨高速曲线正交异性板钢箱梁顶推施工技术 姚亮(125)	高液限土处置措施分析及应用 吴清凤(177)
浅谈斜交框架桥下穿既有铁路施工中的线路加固及防护 李江明(130)	高锰酸钾处理水库锰高实验分析及应用 刘丽华(179)
高速涡轮增压器技术途径浅析 郭帅帆 等(133)	电气自动化设备控制稳定性分析 梁庆飞 等(182)
* 价值应用 *	
上海海洋大学循环动水槽系统的技术研究 牛猛(136)	新媒体在出版领域的应用及发展趋势 高玮 等(184)
	基于物联网技术的新型智能鼻饲装置的设计与研究 李怡宁 等(186)
* 理论综述 *	
	智能制造与工业互联网平台创新 张李娜(189)
	顾企互动视角下后发企业新产品开发机制研究 吴果琳(192)
	电商直播消费者购买意愿影响因素研究 陈泽筠(194)

郑重声明

1. 本刊所刊载内容未经书面许可,任何部分不得以任何形式翻印、转载、复制,及存储于检索系统,提供给公众或私人使用。
2. 来稿在 15 个工作日内给予回复录用与否,若未收到回复信息,请来信来电咨询稿件进展。来稿正常刊登周期为 3 个月内,未录用者可自行处理。请勿一稿多投,不涉及保密、署名无争议,请作者自留底稿,恕不退稿。
3. 编辑部对来稿文章标题、内容、参考文献等保留删修权,不同意删修的稿件请在来稿中声明。
4. 本刊已许可相关期刊网站以数字化方式复制、汇编、发行、信息网络传播本刊全文。本刊支付的稿酬(或稿酬与作品审稿费、与作品样刊费相抵)已包含相关期刊网站著作权使用费,所有署名作者向本刊提交文章发表之行为视为同意上述声明。如有异议,请在投稿时说明,本刊将按作者说明处理。

Value Engineering
(VE)
 Fortnightly Issue
 Started in 1982
 Vol.40 7.a
 (Sum No.603)
 Published in Jul. 8, 2021

Inscribed: Yuan Baohua
General Counsel: Guan Zaiyuan
Executive Editor-in-chief:
 Gao Zhibiao
Manager:
 Hebei Association for
 Science and Technology
Sponsor:
 Hebei Institute of Technology
 Economy and Modern Management

Chief Editor's Department:
 Shi Rui
Editor: Editorial Team of VE
Publisher:
 Magazine Publishing House of VE
Address:
 No.88 Huai'an Road, Shijiazhuang
Tel: (0311) 87024742
E-mail: vezzsbjb@163.com

Printed by:
 Changling Printing House, Langfang
Distributor: Shijiazhuang Post Office
Subscriptions:
 Chinese Local Post Office
Domestic Issue Code: 18-2
Domestic Single Price: ¥30.00
Overseas Single Price: 30.00
Open Publishing
ISSN 1006-4311
CN 13-1085/N

CONTENTS

VALUE MANAGEMENT

1 Research on the Current Situation and Existing Problems of Drinking Water Quality Detection	LI Xu-bai, <i>et al.</i>
3 Analysis of Influencing Factors of Consumer Behavior in Fresh Food E-commerce O2O Mode	WANG Jun, <i>et al.</i>
5 Research on Logistics Hub City Multimodal Transport in Liuzhou City	LIU Wen-fang, <i>et al.</i>
8 Research on Practical Problems and Decision Making of Enterprise Management	REN Zhi-neng, <i>et al.</i>
10 Research on the Link Mechanism and Influence of Technological Innovation and International Trade	YUAN Xing-mei
12 Analysis of Low Carbon Operation Mode of Cloud Manufacturing Platform	HAN Lu
14 Research on Strategies for High Quality Development of Shijiazhuang Biomedical Industry	LI Mao-qing, <i>et al.</i>
16 Research on Customer Loss Risk Prediction of Commercial Banks	WU Ying-yi
18 Feasibility Analysis of First Trial of the "Low-altitude Opening" Policy under the Perspective of Strong Transportation Provinces	ZHANG Bo-wen
20 Influence of Different Location Factors on the Types of Retail Formats	ZHANG Si-wei, <i>et al.</i>
22 Discussion on the Current Situation and Countermeasures of Aviation Material Inventory Management	SUN Sheng-shan, <i>et al.</i>
24 Exploration on the Construction of Enterprise Taxation Risk Management and Control System Based on Risk Orientation	ZHANG Ling-li
26 Research on the Development Countermeasures of Guangxi Rural Tourism E-commerce under the Background of Rural Revitalization	YIN Qing
28 Research on the Path of Improving Technical Management Ability in Mechanical Engineering	SHEN Guo-chun
30 Analysis on the Countermeasures of Financial Risks in International Trade of Enterprises	SUN Rui-hao
32 On the Internal Control and Management of Investment Projects of State-owned Enterprises	YI Shi-li
34 Research on the Risks of Basic Pension Reform under the Background of the Combination of National and Local Taxes	ZHANG Hong-yu
36 Analysis of Matters Needing Attention in Construction Schedule Management of Building Engineering	FANG Li-jun
38 Research on Enterprise Comprehensive Budget Management Based on Cloud Accounting	ZHAO Yin-ping
40 Research on the Problems in the Project Management of UAV	LI Li
42 Financial Risk Assessment of H Company Based on Efficiency Coefficient Method	MIAO Meng
44 Research on the Main Points of Line Loss Management in Transmission and Distribution Projects and Power Consumption Projects	CHEN Yun-fan
46 Research on Ensuring the Accuracy of Compulsory Verification of Measuring Instruments in the New Situation	WANG Ming-jian
48 Discussion on Channel Electronic Inspection Work in Digital Channel Environment	LENG Jie
50 Financial Risks and Countermeasures of High Liability Real Estate Enterprises	CHEN Man-li, <i>et al.</i>
53 Analysis on Cost Management and Control of Housing Construction Engineering	ZHENG Xiao-ning
55 Thoughts on Improving the Marketing Effect of Farmers' Loans in Township Outlets	TIAN Ye
57 Causes of Safety Accidents in Construction Sites and Their Early Warning Management Mechanism	GUO Rui
59 Exploration on Standardized Management of Xinzhai Reservoir Field Laboratory in Guangnan County	SHA Ou, <i>et al.</i>
61 Analysis on the Risks and Management and Control in the Real Estate Project Bidding Process	FENG Guo-jian
63 Research on Current Situation and Development Suggestions of China's Financial Asset Management Companies	CHEN Zhe
65 Research on Individualized Strategy of Airline Marketing Service	ZHENG Teng-fei
67 Research on the Development Trend and Countermeasures of Floor Carpet Technology for Passenger Cars	ZHANG Ping-xiu
69 On-site Safety Management Measures for Offshore Oil	BU Ping
71 Research and Analysis of Mining Technology and Construction Safety in Mining Engineering	HUANG Ren-xiong
73 Analysis on the Application of Management Accounting in the Financial Management of Construction Enterprises	ZHANG Guan-chao
75 Research on Innovative Strategies of Power Enterprise Economic Management in the New Economic Situation	ZHAO Yang
77 Analysis and Countermeasures of Urban Rail Transit Operation under the Epidemic	CAO Da-wei, <i>et al.</i>
79 Analysis on the Reform of Performance Salary Incentive System in State-owned Enterprises	LI Xin

81	Research on the High-quality Development of County-level Characteristic Industrial Clusters	XUE Jing
83	Some Thoughts on the Comprehensive Improvement of Comprehensive Land in Rural Areas	LI Jing
85	Analysis of Risk Management of Urban Rail Transit Project Based on PPP Mode	WANG Hao-yu
87	Analysis on the Construction and Distribution Management of Public Rental Housing in China	YANG Nan

VALUE CHAIN·SUPPLY CHAIN

90	Research on Reverse Factoring Financing Decisions Considering Risk Avoidance under Elastic Demand	ZHANG Yu
93	Collaborative Management Model of Supply Chain Information Based on Cloud Platform	WANG Hui-xin

FUNCTION CARRIER INNOVATION

95	Research on Monitoring Technology of Wufengshan Yangtze River Bridge Track Control Network (CPⅢ)	WANG Yu-ting
99	Analysis on the Causes and Prevention of Common Diseases of Municipal Underground Drainage Pipelines	LI Si-yang
101	Study on Construction Technology of Support System of Large-span Frame Pier Cap Beam	LIU Wei
103	Integrated Construction Technology of Drilling, Supporting and Installing in Mine Blind Shaft	ZHANG Yan-tao
105	Design and Application of Preloading for 0# Block Bracket of Continuous Beam	YANG Bo
108	Problems and Countermeasures in Structural Optimization Design of High-rise Buildings	LI Yi-fang
110	Slipform Construction and Safety Management Analysis of Surge Shaft in Hydropower Station	SUN Wei-dong
113	Construction Technology of Ceramic Plate Curtain Wall	CHENG Tao
116	Research and Application on Optimization Technology of Mine Main Coal Flow System	MA Yong-li
118	Daily Inspection and Fault Analysis of SL20-5 Air Compressor	ZHENG Xiao-lei
120	Research on Forging Process of High-speed Rail Wheels	WANG Ru-hai
125	Jacking Construction Technology of Steel Box Girder with Orthotropic Plate across High-speed Curve	YAO Liang
130	Discussion on Line Reinforcement and Protection in the Construction of Skew Frame Bridge Underpassing Existing Railway	LI Jiang-ming
133	Study on the Technical Approach of High-speed Turbine Engine	GUO Shuai-fan, <i>et al.</i>

VALUE APPLICATION

136	Shanghai Ocean University's "Water Dynamics Laboratory of Oceanic and Fisheries Engineering" Circular Dynamic Sink System	NIU Meng
139	Method and Application of Sensitivity Analysis in the Economic Evaluation of Construction Project	HUANG Zhi-gang
141	Design of Portable Urban PM2.5 Monitoring System	ZHAI Li-xin, <i>et al.</i>
143	Thermal Comfort Analysis of Urban Residential Area in Yulin City	SHI Li
145	Application of Intelligent Detection Technology in Civil Military Integration Support of Four Station Equipment Maintenance Spare Parts	SHEN Shu-nan, <i>et al.</i>
147	Design of Temperature and Humidity Measuring Device in Air Material Warehouse Based on Arduino	LIU Deng-yi, <i>et al.</i>
150	Application and Analysis of Process Settlement Mechanism in Regional Overall Development Project	SONG Yue-liang
153	Challenges and Countermeasures of Intelligent Monitoring in the Era of Big Data	LIU Jia-ying
155	A Cross System Data Integration Analysis Method Based on Excel	LUO Le, <i>et al.</i>
161	Groundwater Quality Evaluation through Single Factor Index Method Based on Python Platform	LIAO Hai-bin, <i>et al.</i>
163	Application of PLC Technology in Electrical Engineering Automation Control	LI Chang-zhi
165	Application Strategy of Electronic Diagnosis Technology in New Energy Vehicle Maintenance	GUO Hang-xu
167	Economic Feasibility Analysis of Bio-based Degradable Materials	ZHAO Hui-lian
169	Application Analysis of Graphene Composite Nanomaterials in Electrochemical Sensing	LUO Zhi-xuan
171	Feasibility Analysis on the Construction of a Special Electric Power Monitoring and Dispatching Network for a Large Water Conservancy Project	LUO Ming-zhe
173	Analysis of Energy-saving and Consumption-Reducing Techniques in Power Transmission and Distribution Lines	DING Hao-chen
175	Maintenance and Improvement of Grounding Device of Distribution Transformer	CHEN Ze-yang, <i>et al.</i>
177	Analysis and Application of Disposal Measures for High Liquid Limit Soil	WU Qing-feng
179	Experimental Analysis and Application of Potassium Permanganate Treating Reservoir Manganese Content	LIU Li-hua
182	Analysis of Control Stability of Electrical Automation Equipment	LIANG Qing-fei, <i>et al.</i>
184	Application and Development Trend of New Media in Publishing Field	GAO Wei, <i>et al.</i>
186	Design and Research of New Intelligent Nasal Feeding Device Based on Internet of Things Technology	LI Yi-ning, <i>et al.</i>

THEORETICAL REVIEW

189	Intelligent Manufacturing and Innovation of Industrial Internet Platform	ZHANG Li-na
192	Research on the New Product Development Mechanism of Latecomer Enterprises from the Perspective of Customer-Enterprise Interaction	WU Gao-lin
194	Research on Influencing Factors of Consumers' Purchases Intention	CHEN Ze-jun