A Study on the Effects of Leadership Styles on Organizational Effectiveness

- Focusing on Small and Medium Enterprises -

Ji-chul Yoo* · Young-wha Lee*

*Dept. Of Industrial Management Engineering, Korea National University of Transportation

리더십 유형이 조직 유효성에 미치는 영향에 관한 연구 - 중소기업을 중심으로 -

류 지 철*·이 용 화* *한국교통대학교 산업경영공학과

Abstract

조직에는 조직의 목적을 효율적으로 달성할 수 있도록 조직구성원들을 움직이게 하는 리더가 존재하게 된다. 조 직 내에 달성해야 할 비전과 목표가 있고 그것을 수행해야 할 과업에 있어서 가장 필요한 것은 구성원들의 비전과 목표를 달성하기 위한 리더십이 중요한 요인이다. 리더십은 비전과 목표달성을 위해 다른 사람들의 행동에 영향을 미치는 과정이기 때문이다. 따라서 모든 유형의 집단이나 조직, 그리고 지역사회나 국가에는 효과적인 리더십이 필 요하고 그 같은 효과적인 리더십을 발휘할 유능한 리더가 요구된다. 따라서 리더십은 모든 집단이나 조직의 중요한 자산이며 성공요인이 아닐 수 없다. 특히 중소기업의 경우 기업경영전반에 걸쳐 경영자의 기호나 의도에 따라 수시 로 변하는 경우가 많고, 최고 경영자의 개인적 속성이 조직구조나 전략에 적지 않은 영향을 미치기 때문에 최고경 영자의 리더십이 중소기업의 조직문화 형성에 대기업보다 훨씬 많은 영향을 미치고 있다. 변혁적 리더십은 사장이 카리스마, 지적자극, 개별적 배려 등을 통해 종업원들에게 기대를 능가하는 최고의 노력을 발휘하도록 동기부여 시 키는 것이다. 변혁적 리더십을 발휘하는 사장은 종업원들의 욕구수준을 높여 주고 자신감을 심어줌으로써 성공에 대한 확신을 높여준다면 종업원들로 하여금 조직에 대한 몰입을 이끌어 낼 수 있고, 보통이상의 추가노력과 낮은 이직의도를 거둘 수 있다는 것이다. 따라서 본 연구는 연구의 목적을 달성하기 위해 연구와 관련된 선행연구자들을 분석하고, 이를 토대로 연구모형을 설계하여 중소제조업체의 CEO들에게 요구하는 리더십모형을 제시하였다. 중소 기업의 리더십 유형을 카리스마적, 전략적, 거래적, 변혁적 이론 등을 기본으로 하여 기업에 어떠한 영향을 주는지 를 이론을 통해 제시하였다. 이러한 리더십 유형들이 기업의 목표에 영향을 주는지를 분석한 후 여기에서 중소기업 의 CEO에게 필요로 하는 리더십 유형을 제시하였다.

Keywords: 변혁적 · 거래적 리더십, 카리스마, 지적자극, 개별적 배려

1. Introduction

As business environment gets more complex than

ever and companies pursue management innovation, their strategy of developing human resources become more complex and varied.

M.P: 010-4174-1352, E-mail: vhlee@ut.ac.kr

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[↑] 이용화, 충청북도 충주시 한국교통대학교 공과대학 산업경영공학과

Small and Medium enterprises struggle to survive the current age of keen competition through various management operations, but what is more important is that they should put in effort to improve the performance competence of members in their organizations and to solve the problems that follow. That is why the development of human resources is considered important.

Small and Medium enterprise is very important in the entire industry of Korea. Because, Small and Medium enterprise are the basis of industry.

The Small and Medium enterprise consist of 98.5% of all enterprises, and the employees consist of 86.5% of all workers in 2009. In spite of great important in industry of korea. It is absolutely and relatively poor. Especially, the CEO of small and medium enterprise (SMEs) has influences on the all parts of the enterprise such as leadership, However, most of all previous studies have focused on the large company. Therefore, this study addresses on the effect of the leadership of CEO in the SMEs on the organization immersion of SMEs.

The purpose of this study is to affect transformational leadership and transactional leadership on organizational effectiveness and to investigate the relationship between organizational effectiveness. Also we have to investigate the relationship between organizational effectiveness and transactional relationship and transactional leadership of medium and small enterprises.

2. The power, trait and behavior of leaders

2.1 Leaders gain and use the power

Another essential ingredient of effective leadership is the power-the ability to get others to do what you want them to do. Effective managerial leaders use the power wisely, and they maintain bases of the power derived from several sources. The power may be gained through the manager's formal position in the organization and or through personal sources. Position power is based on rewards, coerction, and legitimacy. Personal power is based on expertise and reference. Very importantly, effective

leaders empower others that is, they help and allow others to take action and make decisions on their own on matters relevant to their job performance. Today's organizations depend on empowerment to create "lateral" and "bottom-up" leadership to supplement the more traditional "top-down" leadership of the past.

2.2 The important leadership traits and behaviors

Early leadership research emphasized the study of personal traits and sought to isolate a profile of traits that differentiated successful and unsuccessful leaders. Current thinking recognized traits mainly as possible foundations for building appropriate lead-ership skills. Important traits in this regard include drive, integrity, and self confidence, among others. Another leadership approach focuses the study of leader behaviors. Here, a special interest rests with how followers respond to task-oriented and people-oriented behaviors by leaders. A popular "managerial grid" identifies the leader who is high in concerns for both task and people as a most effective one. Developments in contingency leadership thinking, how-ever, try to identify when different leader behaviors would best meet the needs of different types of leadership situations.

3. Transformation Leadership

It is "inspirational" leadership that influences the beliefs, values, and expectations of followers, and gets them to do things different from what they originally anticipated being willing or able to do. Vision, charisma, symbolism, empowerment, intellectual stimulation, and integrity are all things that transformational leaders contribute to work situations. Additional developments in leadership thinking now emphasize the importance of transformational leaders to all organizations. In many ways, this is leadership that adds "personality" to the work place and creates high levels of commitment and effort due to the contagious enthusiasm it generates.

Vision: Having ideas and a clear sense of

direction, being able to communicate visions to others, and developing in them a sense of great excitement about working hard to accomplish shared "dreams."

Charisma: Arousing others' enthusiasm, faith, loyalty, pride, and trust in them-selves through the power of personal reference and appeals to emotion.

Symbolism: Identifying "heroes," offering special rewards, and holding spontaneous and planned ceremonies to celebrate excellence and high achievement.

Empowerment: Maintaining a developmental orientation toward others, re-moving performance obstacles, sharing responsibilities, and delegating truly challenging work.

Intellectual stimulation: Enhancing the mental involvement of others by creating awareness of problems and stirring their imagination to create high quality solutions.

Integrity: Being honest and credible, acting consistently out of a sense of personal conviction, and above all meeting commitments by following through doing what you said you would.

4. Study Model

This study is about understanding the effectiveness of the type of leadership through the analysis in CEO's transformational leadership and transactional leadership on organizational effectiveness.

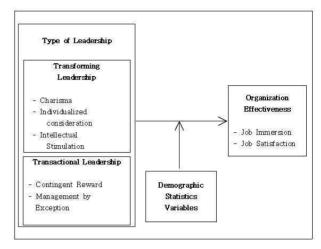
4.1 Study Hypothesis

1) Relationship between Transforming Leadership and Organizational Effectiveness

Hypothesis 1-1. Charisma factor in transforming leadership will have a positive relationship with organizational effectiveness.

Hypothesis 1–2. Individualized consideration in transforming leadership will have a positive relationship with organizational effectiveness.

Hypothesis 1–3. Intellectual stimulation in transforming leadership will have a positive relationship with organizational effectiveness.



<Figure 1> Study Model

2) Relationship between Transactional Leadership and Organizational Effectiveness

Hypothesis 2–1. Contingent reward factor in transactional leadership will have a positive relationship with organizational effectiveness.

Hypothesis 2-2. Management by exception factor in transactional leadership will have a positive relationship with organizational effectiveness.

3) Regulation Relationship Of Demographic Statistics Variables (Position, Duration of years)

Hypothesis 3-1. Position will be in the role in the regulation between charisma factor and organizational effectiveness.

Hypothesis 3-2. Duration of years will be in the role in the regulation between charisma factor and organizational effectiveness.

Hypothesis 3–3. Position will be in the role in the regulation between individualized consideration and organizational effectiveness.

Hypothesis 3-4. Duration of years will be in the role in the regulation between individualized consideration and organizational effectiveness.

Hypothesis 3–5. Position will be in the role in the regulation between intellectual stimulation and organizational effectiveness.

Hypothesis 3-6. Duration of years will be in the role in the regulation between intellectual stimulation and organizational effectiveness.

Hypothesis 3–7. Position will be in the role in the regulation between contingent reward and organizational effectiveness. Hypothesis 3-8. Duration of years will be in the role in the regulation between contingent reward and organizational effectiveness.

Hypothesis 3–9. Position will be in the role in the regulation between management by exception and organizational effectiveness.

Hypothesis 3-10. Duration of years will be in the role in the regulation between management by exception and organizational effectiveness.

4.2. Analysis Conclusion

1) Collection of data

The subjects for questionnaires of this study were incumbents in enterprise. Each item of the questionnaires was evaluated by 5 point scales. The test of the research hypotheses was performed through frequency analysis, factorial analysis, reliability analysis of variance, using SPSS 18.0 and for hypothesis testing the regression analysis was conducted.

The survey was conducted during 40 days in $2012(2/10 \sim 3/20)$ and 300 copy was distributed. Excluding insincerity ones among them, total 250 copy was used in final analysis.

<table< th=""><th>1></th><th>Demographic</th><th>: Charac</th><th>teristics</th></table<>	1>	Demographic	: Charac	teristics

Cla	assify	Frequency	Percentage (%)
Sex	male	185	74.0
Sex	female	65	26.0
	between 20–30	102	40.8
Agro	between 30–40	70	28.0
Age	between 40–50	58	23.2
	between 50–60	20	8.0
	worker	116	46.4
Position	chief	63	25.2
1 Ostdori	head of section	71	28.4
	under 2 years	38	15.2
Duration of	between 3–5 years	79	31.6
years	between 5-7 years	64	25.6
	above 7 years	69	27.6
T	`otal	250	100

4.3 Evaluation of Measurement Items

1) Factor Analysis

In this study to test the validity of questionnaires and to find a common factor to apply as an variables, factor analysis were used. Factor Analysis is used to secure the factors that were not directly measured based on measured variables. Simplifying the result by making variables into few numbers of factors are primary goal (main purpose). Principle Components were used in this study and only factors that are above designated eigenvalue were extracted. Verimax rotation was used in factor rotation. Factor Loading shows correlation between each factor of variables. In general, over ±0.4 are significant and in this study this was selected to be a standard. Eigenvalue shows how each factor can be explained about entire dispersion and over 1 was selected to be a standard.

2) Reliability Analysis

Reliability indicates accuracy or precision of measurement tools and it has a same meaning as dependability, stability, consistency, predictability, and accuracy. Reliability analysis has a premise that the result of the data should be similar if the similar concept was measured in dependent measurement method.

Reliability is a concept that does not contain the degree of error in measurements result. In other words, it is a degree of amount that reflects systematic information about dispersion. That is, the little the amount of degree that is included in grade of measurement, the more the measurement will be reliable.

Reliability measurement such as Cronbach's alpha is normally used in reliability analysis and alpha is focused on internal consistency of the test which is to know whether test items are consisted in homogeneous factor.

Therefore, in this study, to test the reliability of measurement question Cronbach's alpha is used to evaluate the reliability of individual item and entire item. In general, value of Cronbach's alpha which is standards of reliability is over .60, it is judged reliable.

< Table 2> Result of Factor Analysis

			loads factor	eigenvalue	accumulate variance	
		Inject them to have a pride on themselves	.886		ventence	
	charisma	Transcend CEO's own profit for the group profit	.879	2.593	14.090	
		Act as to make subordinate to respect you	.853			
		Spend time to teach and instruct the subordinate	.828			
Transformin g Leadership	individualized consideration	Treat subordinate as human being	.780	1.994	16.114	
		Help subordinate to develop their ability	.704			
		Check subordinate whether they are doing their duty properly	.865			
	intellectual stimulation	Instruct to make them have a different perspectives of the problem	.850 3.721		24.806	
		Propose a new method for job completion	.834			
		Help them as a reward of job effort	.811			
	contingent reward	Clearly propose the reward when the goal is achieved		2.103	10.513	
Transactional		Show satisfaction when one's expectations comes out	.829			
Leadership		Don't interfere until the problems get serious	.825			
	management by exception	Attention of whether subordinate makes a mistake	.713	2.510	58.822	
		Dislike to be participated when significant problem occurred	.604			
	job	True interest on the company	.819			
	immersion	Make an effort for the company's success	.762	2.170	24.107	
Organization	111111111111111111111111111111111111111	Pride of being a member of the company	.703			
al		Satisfaction on one's work	.761	_		
Effectiveness	job satisfaction	Satisfaction on opportunity to develop oneself by work	.756 1.909		21.212	
		Satisfaction on overall company	.684			

<Table 3> Result of Analysis

	Variable	항목수	Reliability Coefficient (Cronbach's alpha)
Tr. C.	Charisma	3	.878
Transforming Leadership	Individualized consideration	3	.832
Leader Ship	Intellectual stimulation	3	.783
Transactional	Contingent reward	3	.883
Leadership	Management by exception	3	.819
Organizational	Job immersion	3	.801
Effectiveness	Job satisfaction	3	.774

5. Result of Methodology

5.1 Relationship between Transforming Leadership and Organizational Effectiveness

Among types of CEO's leadership, consequence of multiple regression analysis between transforming leadership and organizational effectiveness is shown as followed.

<Table 4> Result of multiple regression analysis between transforming leadership and organizational effectiveness

Model		candard dex stand ard	standard index Beta	t valu e	significa nce probabilit				
		error			У				
(Invariable)	2.100	.289			7.266				
Charisma	.189	.069	.215	2.72 6	.007				
Individualized consideration	.157	.058	.217	2.71	.007				
Intellectual stimulation	.155	.065	.201	2.39 1	.018				
adj R2:.182	F valu	ie: 10.08	7 significar	nce pro	bability:				
.000									

5.2 Relationship between Transactional Leadership and Organizational Effectiveness

Among types of CEO's leadership, consequence of multiple regression analysis between transactional leadership and organizational effectiveness is shown as followed.

<Table 5> Result of multiple regression analysis between transactional leadership and organizational effectiveness

	non sta		standard		signific	
	ind	ex	index	l t	ance	
Model		stand		valu		
	В	ard	Beta	l e	probabi	
		error			lity	
(T : 11)	0.000	001		9.70	000	
(Invariable)	2.820 .291			6	.000	
Contingent	177	070	01.4	2.53	001	
reward	.177	.070	.214	3	.001	
Management	050	050	007	1.01	004	
by exception	.059	.058	.087	5	.034	
adj R2:.166	adj R2:.166 F value: 3.867				ability:	
		.004				

5.3 Regulation Relationship Of Demo graphic Statistics Variables (Position, Duration of years)

To verify the hypothesis about whether demographic statistics variables(position, duration of years) shows the regulation effectiveness in effective relationship between transforming leadership and organizational effectiveness, the study was verified by using control regression analysis. To achieve this, dependent variable was put to be organizational effectiveness, and independent variable in step one was just put in to component of transforming leadership and regression analysis was conducted.

<Table 6> Result of test about Adjusted Effectiveness of position between transforming leadership and organizational effectiveness

				1.0. 1	estimation of statistics variance						
Model		R	R2	modified	standard	variance of	variance	degree of	degree of	variance of	
				R-square	error	R-square	of F	freedom	freedom	significance F	
	1	.710(a)	.504	.503	.496571	.504	969.258	1	954	.000	
Charisma	2	.752(b)	.566	.565	.46462	.062	136.458	1	953	.000	
	3	.653(c)	.521	.526	.46419	.001	2.785	1	952	.005	
Individual	1	.674(a)	.454	.454	.52068	.454	794.852	1	954	.000	
ized considerat	2	.716(b)	.513	.512	.49210	.059	115.043	1	953	.000	
ion	3	.717(c)	.514	.512	.49222	.000	.534	1	952	.465	
Intellectu	1	.660(a)	.436	.435	.52942	.436	797.588	1	954	.000	
al stimulatio	2	.705(b)	.498	.496	.49999	.061	116.631	1	953	.000	
n	3	.701(c)	.496	.494	.49992	.001	1.271	1	952	.260	

Step 1: Regression analysis between independent variable and dependent variable

Step 2: Regression analysis between independent variable, regulate variable and dependent variable

Step 3: Regression analysis between independent variable, regulate variable, interaction term (independent variable*regulate variable) and dependent variable

To verify the hypothesis about whether demographic statistics variables(position, duration of years) shows the regulation effectiveness in effective relationship between transactional leadership and organizational effectiveness, the study was verified

by using control regression analysis. To achieve this, dependent variable was put to be organizational effectiveness, and independent variable in step one was just put in to component of transactional leadership and regression analysis was conducted.

Step 1: Regression analysis between independent variable and dependent variable

Step 2: Regression analysis between independent variable, regulate variable and dependent variable

Step 3: Regression analysis between independent variable, regulate variable, interaction term (independent variable*regulate variable) and dependent variable

< Table 7> Result of test about adjusted effectiveness of duration of years between transforming leadership and organizational effectiveness

					estimation	statistics variance				
Model		R	R2	modified R-square	of standard error	variance of R-square	variance of F	degree of freedom	degree of freedom	variance of significance F
	1	.690(a)	.504	.503	.496571	.504	969.258	1	954	.000
Charisma	2	.622(b)	.566	.565	.46462	.060	136.458	1	953	.000
	3	.601(c)	.520	.566	.46419	.000	2.785	1	952	.095
Individualized	1	.674(a)	.454	.454	.52068	.454	794.852	1	954	.000
	2	.716(b)	.513	.512	.49210	.059	115.043	1	953	.000
consideration	3	.724(c)	.518	.527	.49237	.001	.538	1	952	.325
Intellectual	1	.660(a)	.436	.435	.52942	.436	737.588	1	954	.000
	2	.705(b)	.498	.496	.49999	.061	116.631	1	953	.000
stimulation	3	.503(c)	.317	.316	.49082	.001	3.280	1	952	.391

<Table 8> Result of test about adjusted effectiveness of position between transactional leadership and organizational effectiveness

Model				modified	estimation	estimation statistics variance				
		R	R2		of standard	variance of	variance	degree of	degree of	variance of
				R-square	error	R-square	of F	freedom	freedom	significance F
Contingent	1	.674(a)	.454	.454	.52068	.454	794.852	1	954	.000
_	2	.506(b)	.501	.462	.42210	.054	115.043	1	953	.000
Reward	3	.642(c)	.496	.430	.47602	.003	.542	1	952	.295
Management	1	.530(a)	.476	.435	.52942	.436	737.588	1	954	.000
	2	.209(b)	.318	.371	.41379	.041	111.631	1	953	.000
by exception	3	.340(c)	.214	.297	.40052	.011	1.771	1	952	.050

<Table 9> Result of test about adjusted effectiveness of duration of years between transactional leadership and organizational effectiveness

Model				d:C:d	estimation statistics variance					
		R	R2	modified	of standard	variance of	variance	degree of	degree of	variance of
				R-square	error	R-square	of F	freedom	freedom	significance F
Contingent	1	.674(a)	.454	.454	.53178	.454	727.852	1	954	.000
	2	.716(b)	.513	.512	.49210	.059	106.043	1	953	.000
Reward	3	.816(c)	.514	.512	.49222	.000	.534	1	952	.279
Management	1	.660(a)	.436	.435	.52139	.436	729.537	1	954	.000
	2	.716(b)	.498	.496	.40999	.061	116.631	1	953	.000
by exception	3	.794(c)	.498	.497	.49992	.001	11.271	1	952	.180

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< Table 10> Conclusion of the Hypothesis

Alpyothesis 1-1. Continuence Continuen	Hypothesis	Results
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6. Conclusion

Results in this paper, as shown in <Table 10>, Charisma, individualized consideration and intellectual stimulation in Transforming Leadership have positive relationship with organizational effectiveness. On the contrary, In was shown that position and duration of years individually controls between consideration factor and organizational effectiveness.

However, position and duration of years have a small influence in controlling between intellectual stimulation and organizational effectiveness. Also position has a small influence on controlling between contingent reward and organizational effectiveness. The study was shown that duration of years has an influence as controlling factor between contingent reward and management by exception whereas position has a slight influence as controlling factor between management by exception factor and organizational effectiveness. Transforming leadership is an motivation that makes the employees to show their best effort that surpass the expectation though CEO's charisma, intellectual stimulation, individualized consideration and so on.

If CEO who shows transforming leadership boosts the assurance of their success by increasing desire level of the employee and giving them self-confidence, it will lead the employee to engage more to the organization and also above normal level of extra effort and low turnover intention will be achieved.

It was noted that for transforming leadership, charisma, individualized consideration factor and intellectual stimulation factor have an significant in organizational effectiveness. It was also shown that duration of years has a big impact. Therefore as to transforming leadership and transactional leadership, CEOs in the small and medium–sized enterprise can increase the organizational effectiveness by selecting and managing the significant of factor.

Transforming leadership is to heighten the leadership reliable level of subordinates, serving as a good model that CEO can satisfy himself for the organization. On the other hand, transactional leadership is to lead the subordinates through the

promotion, recognition or rewards. There is not a desirable model of leadership for all situations and the definition of leadership is also changing by various reasons. Thus the research on the leadership in the future should draw diverse conclusions by changing relevant variables.

Because of the limited area of survey object in this study, it is estimated that the samples are insufficient to represent the Population. Also, because of the lack of diversity in survey method that was used in hypothesis testing, interpretation of the survey could have been different caused by the limited area of the respondent. For the future study, this limitation will be supplemented and should be studied variously.

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저 자 소 개

류지 철



동국대학교 산업공학과 및 동 대학원을 졸업하고 Adamson University에서 박사를 수료한후, University of Windsor에서 1년 6개월 간 연구원으로 재직.한국산업개발연구원에서 연구원을 거친 후 현재 충주대학교 산업경영공학과에 교수로 재직중.

관심분야는 Ergonomics와 기업에서의 인적자원에 관한 분야이다. 현재 사단법인 경영기술연구원 이사, (주)입 소 경영자문위원, 한국산업인력공단 HRD 전문위원, 노 동부 충북고용포럼위원장, 국가품질상 심사위원(지경부) 주소: 충청북도 충주시 한국교통대학교 공과대학 산업 경영공학과

이용화



동국대학교를 졸업하고 청주대학 교 대학원에서 경영학박사를 취 득. 현재 한국교통대학교 산업경 영공학과에 재직중 관심분야는 산업현장의 안전관리 분야와 경영정보분야임.

주소: 충청북도 충주시 한국교통대학교 공과대학 산업 경영공학과