Éva Löwe[10] – Éva Mária Kovácsné Laczkó[11]

Bridging Loyalty and Innovation: The Dual Challenge for Germany's Automotive Workforce

The study examines the relationship between employee loyalty and innovation within the framework of an empirical study conducted at a large German automotive company. The rapid technological development of the industry, sustainability goals, new market entrants, digitalization, and the rise of electric mobility demand continuous adaptation from both companies and employees. The research aims to explore how the automotive transformation and the associated innovation pressure affect employee loyalty and to identify key factors that promote loyalty. The research is based on a survey conducted among employees working in the company's development department. The analysis focuses on factors such as organizational culture, job security, brand significance, training opportunities, work-life balance, and job satisfaction. The findings aim to demonstrate that maintaining loyalty amidst the constant progress driven by innovation is a cornerstone of the company's long-term success. The research provides practical recommendations for human resource management on how to balance strengthening loyalty and fostering innovation.
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1 Introduction

In recent years, the automotive industry has faced unprecedented challenges resulting from the COVID-19 pandemic, the global semiconductor shortage, the Russia–Ukraine war, and the ongoing technological transformation of the sector. The rapid expansion of electric mobility, digitalisation, autonomous driving technologies, increasing sustainability requirements, and the emergence of new competitors—particularly from China and the United States—have fundamentally reshaped the competitive environment of the German automotive industry (European Automobile Manufacturers' Association [ACEA], 2025; Organisation for Economic Co-operation and Development [OECD], 2024). These developments require companies not only to adopt new technologies but also to transform their organisational structures and human resource management practices.
In addition to these external challenges, automotive companies are experiencing significant internal transformation, affecting organisational culture, leadership, and employee attitudes. While technological innovation has received considerable attention in previous studies, less emphasis has been placed on the organisational factors that help maintain employee loyalty during continuous transformation. Organisational culture, job security, work–life balance, employer branding, and professional development are recognised as important determinants of employee commitment and organisational performance (Schein & Schein, 2021; Meyer & Allen, 1991; Farooq et al., 2024).
Against this background, this study investigates the relationship between employee loyalty and organisational factors within the development department of a major German automotive company. The research examines how organisational culture, innovation pressure, job security, work–life balance, brand identification, and training opportunities influence employee loyalty. By providing empirical evidence from the German automotive industry, the study contributes to a better understanding of how organisations can strengthen employee commitment while maintaining innovation capability during periods of continuous organisational transformation.

[10] Kompetenzteam Managerin/PHD Student, Schwaikheim, Germany, SOE LKK, besenyoeva@hotmail.com
[11] PhD Student, University of Sopron, István Széchenyi Economics and Management Doctoral School, evalaczko94@gmail.com

2 Theoretical background

2.1. Organizational culture

Organizational development is a continuous and dynamic process through which organizations adapt to changing internal and external environments while improving their long-term effectiveness. In an increasingly uncertain and technology-driven business environment, organizational development has become a strategic capability that enables firms to respond effectively to market disruptions, digital transformation, and increasing competitive pressure (Burnes, 2020; Cummings & Worley, 2019).

Organizational culture refers to the shared values, beliefs, assumptions, and behavioural norms that guide employees' decisions and interactions within an organization (Schein & Schein, 2021). These shared assumptions influence how employees perceive organizational goals, solve problems, collaborate with colleagues, and respond to change. A strong organizational culture aligns employees' behaviour with strategic objectives, strengthens organizational commitment, and facilitates the successful implementation of organizational change (Cameron & Quinn, 2011).

Since the 1980s, organizational culture has become one of the central concepts of management research. Early studies demonstrated that organizational culture represents a source of sustainable competitive advantage because it is difficult for competitors to imitate (Barney, 1986). More recent research confirms that adaptive organizational cultures enhance organizational resilience, employee engagement, innovation capability, and successful digital transformation, particularly in knowledge-intensive industries (Bogale & Debela, 2024; Wiese et al., 2024). Consequently, organizations operating in rapidly changing sectors such as the automotive industry must continuously develop organizational cultures that encourage learning, innovation, collaboration, and employee commitment.

2.2 Employee loyalty

Employee loyalty has become a strategic asset for organizations operating in highly competitive and innovation-driven industries. Loyal employees contribute not only to organizational stability and knowledge retention but also to higher productivity, stronger organizational commitment, and improved innovation performance (Meyer & Allen, 1991; Eisenberger et al., 1986).

Motivation is generally understood as the psychological process that initiates, directs, and sustains goal-oriented behaviour. Herzberg's Two-Factor Theory distinguishes between hygiene factors, which prevent dissatisfaction, and motivators, which foster intrinsic satisfaction and higher levels of performance (Herzberg, 1968). According to Herzberg, employees become genuinely motivated when they experience meaningful work, responsibility, opportunities for personal growth, and recognition for their achievements.

Similarly, Self-Determination Theory argues that sustainable motivation is primarily driven by the satisfaction of three fundamental psychological needs: autonomy, competence, and relatedness (Deci & Ryan, 2000). Organizations that support these needs are more likely to develop engaged and committed employees who willingly contribute to organizational success.

Employee loyalty extends beyond job satisfaction and reflects employees' long-term psychological attachment to their organization. Meyer and Allen (1991) conceptualize organizational commitment as comprising affective, continuance, and normative dimensions, each influencing employees' willingness to remain with the organization. In addition, Social Exchange Theory suggests that employees reciprocate organizational support with greater commitment and loyalty (Blau, 1964). This relationship is further explained by Perceived Organizational Support theory, which demonstrates that employees who feel valued and supported by their employer are more likely to develop stronger organizational commitment and lower turnover intentions (Eisenberger et al., 1986).

Recent studies further indicate that employee loyalty is increasingly shaped by leadership quality, career development opportunities, organizational justice, flexible working arrangements, and opportunities for continuous learning, particularly in knowledge-intensive industries undergoing rapid technological transformation (Farooq et al., 2024; Kim & Kim, 2023). Consequently, fostering employee loyalty requires organizations to create supportive work environments that promote motivation, trust, professional development, and long-term organizational commitment.

2.3 Work-life balance

Work–life balance has become an increasingly important issue in contemporary human resource management, particularly in knowledge-intensive industries undergoing rapid technological change. It refers to the ability of individuals to effectively manage the demands of work and personal life while maintaining psychological well-being and job performance (Greenhaus & Beutell, 1985). Achieving this balance has become more challenging as digitalisation, flexible working arrangements, and continuous organisational change have blurred the boundaries between professional and private life (Clark, 2000).

Previous research demonstrates that work–life balance is positively associated with employee well-being, job satisfaction, organisational commitment, and retention. Employees who perceive that their organisation supports the integration of work and personal responsibilities are more likely to demonstrate higher motivation, lower turnover intentions, and stronger organisational loyalty (Allen et al., 2013; Haar et al., 2014). Consequently, family-friendly policies, flexible working arrangements, and supportive leadership have become important strategic tools for attracting and retaining highly qualified employees.

Recent studies further indicate that work–life balance is no longer primarily a gender-related issue but a broader organisational concern affecting employees across different demographic groups. The increasing participation of both parents in the labour market, demographic ageing, and changing family structures have expanded employees' caregiving responsibilities beyond childcare to include eldercare and other family obligations. Moreover, the COVID-19 pandemic accelerated the adoption of hybrid and remote working models, creating new opportunities for flexibility while simultaneously increasing the risk of work–family conflict, psychological strain, and employee burnout (Kniffin et al., 2021).

In innovation-intensive industries such as the automotive sector, maintaining an appropriate work–life balance has become particularly important. Continuous technological change, demanding project schedules, and increasing innovation pressure require organisations to develop human resource practices that support employee well-being alongside organisational performance. Therefore, organisations that successfully integrate flexible work arrangements with supportive organisational cultures are more likely to strengthen employee commitment, enhance motivation, and sustain long-term organisational competitiveness.

2.4 Innovation pressure

Innovation is a key component of competitiveness and corporate performance. Strengthening innovation capabilities has become a global priority, as international markets are increasingly driven by technological development, digital transformation, and changing customer expectations (OECD, 2024). Maintaining a competitive position requires organizations to continuously improve their products, services, and processes. An innovative mindset enables access to broader markets and enhances long-term competitiveness. Therefore, assessing a company's innovation capability has become an essential step in evaluating its strategic performance and future development (Chesbrough, 2003).

For many governments, innovation represents a central pillar of economic growth strategies and industrial competitiveness. Innovation policies increasingly focus on supporting research and development, encouraging collaboration between industry and academia, and creating effective incentive mechanisms that stimulate technological advancement (OECD, 2024).

However, innovation activities are associated with both costs and risks that organizations must effectively manage. Since the 1980s, innovation has gradually evolved from a closed organizational process toward more collaborative approaches. Chesbrough (2003) described this transformation as the shift from **closed innovation** to **open innovation**, where organizations increasingly integrate external knowledge, technologies, and strategic partnerships into their innovation processes.

Although open innovation provides considerable benefits, organizations continue to face challenges related to knowledge protection, intellectual property management, and collaboration with external stakeholders. Consequently, many companies adopt hybrid innovation strategies that combine internal capabilities with external cooperation to balance innovation performance, organizational flexibility, and sustainable competitiveness (Chesbrough, 2003; OECD, 2024).

2.5 Brand loyalty and commitment

Employer branding has become a strategic area of human resource management and modern business research. Effective employer branding requires organizations to place employees and their competencies at the centre of strategic decision-making. Well-developed employer branding strategies improve organizational performance, strengthen talent attraction, and reduce recruitment and onboarding costs (Backhaus & Tikoo, 2004). Organizational culture, employee well-being, and work–life balance are widely recognized as essential components of a successful employer brand.

An employer's brand significantly influences the organization's external reputation by communicating what it is like to work for the company. Consequently, employer branding has become an important competitive tool for attracting and retaining highly qualified employees. Previous studies indicate that individuals with higher qualifications are more likely to choose employers with strong reputations and clearly communicated organizational values. Furthermore, Generation Z increasingly relies on digital communication and social media when evaluating potential employers (Farooq et al., 2024). Research also demonstrates a positive relationship between employer branding, employee satisfaction, and organizational commitment, suggesting that employees who feel valued by their organization develop stronger loyalty and are more willing to remain with the company over the long term (Kim & Kim, 2023).

Employer branding should encompass both employees' workplace experiences and the organization's reward and development opportunities. Its effectiveness depends on the alignment of external employer attractiveness with employees' internal experiences after joining the organization (Ambler & Barrow, 1996; Backhaus & Tikoo, 2004). Consequently, employer branding represents both the external image of the organization and an internal human resource management strategy that strengthens employee commitment, organizational identification, and long-term retention (Wang & Wang, 2024).

2.6 Industry and international perspective

A brand is more than a set of visual attributes; it represents customers' and employees' cognitive and emotional perceptions of an organization and its products. Strong brands contribute to organizational identity, strengthen stakeholder trust, and support long-term business sustainability. Previous research suggests that brand value is closely associated with customer loyalty, organizational reputation, and sustainable competitive advantage (Keller, 2013; Aaker, 1996).

In today's highly competitive business environment, innovation is not only a source of competitive advantage but also a strategic necessity. Organizations that continuously develop new products, services, and processes while responding to changing customer expectations are more likely to strengthen customer loyalty and maintain long-term market performance (OECD, 2024). However, innovation alone is insufficient to sustain loyalty. Long-term success also depends on product quality, organizational reliability, and the ability to build trust among both customers and employees (Chesbrough, 2003).

These challenges are particularly relevant in the automotive industry, where digitalisation, electrification, autonomous driving technologies, and increasing global competition require companies to simultaneously strengthen innovation capability and stakeholder loyalty. Consequently, organizations must integrate innovation strategies with strong organizational cultures, effective employer branding, and continuous employee development to ensure sustainable competitiveness in rapidly changing international markets (European Automobile Manufacturers' Association [ACEA], 2025).

2.7 Theoretical synthesis of key factors derived from the literature

Component group	Related factors (examples)	Theoretical role in the system
Structural and organisational framework	organisational culture, HR systems, leadership practices	Provides the organisational context in which employee experiences and perceptions are formed
Managerial and organisational practices	communication, feedback, support, decision-making	Acts as a linking mechanism between organisational structures and employee attitudes
Employee perceptions	perceived fairness, perceived support, sense of security	Translates organisational factors into employees' subjective interpretations
Employee attitudes	job satisfaction, commitment, engagement	Develops based on perceptions and, in turn, influences organisational functioning
Behavioural outcomes	performance, cooperation, intention to stay	Behavioural expressions of attitudes that are visible at the organisational level
Organisational outcomes	retention, effectiveness, stability	Represents the long-term results of the overall system
Feedback mechanisms	experience, learning, adaptation	Enables continuous development and adjustment of the system

Source: own compilation

The table summarises the discussed theoretical components and their relationships, highlighting that the examined factors should not be interpreted in isolation but as part of an interconnected, system-level structure.

3. Methodology

3.1 Methodology and sampling

The literature review conducted in this study was complemented by empirical data collection, which took the form of a questionnaire-based survey. The questionnaire was distributed within a specific development department of one of Germany's largest and most well-known automotive companies. Although the questionnaire was initially made available to the department's 175 employees, it was subsequently shared through the internal network and reached other units within the company. The data collection period lasted from February 13 to March 23, 2025. During this time, a total of 236 individuals accessed the survey platform, of which 120 submitted valid responses. While the sample provides relevant insights into the attitudes of the target population, it cannot be considered statistically representative, as the proportion of respondents relative to the company's total workforce (3,500 employees) does not meet the 95% confidence level required for statistical representativeness. Nevertheless, the results offer valuable qualitative and quantitative information to guide future research directions and serve as a foundation for the in-depth analytical phase of the doctoral dissertation.

3.2. Data analysis procedures

Data processing and analysis were carried out using two different software applications. The questionnaire, which consisted of 23 closed-ended and 2 open-ended questions, was designed and initially analyzed using Survio, an online survey design and data processing platform. The questionnaire items are presented in detail at the end of this dissertation.

To test the hypotheses and explore the relationships between variables, the SPSS (Statistical Package for the Social Sciences) software was employed. SPSS is a widely used and respected

tool in the field of social science research. During the statistical analysis, correlation analysis was conducted to examine the relationships between factors influencing employee loyalty.
SPSS is commonly used not only in academic research but also in applied analyses. Due to its reliability and versatility, it is well-suited for uncovering complex interrelations. The results obtained contribute to a better understanding of organizational processes and help identify the key factors influencing employee commitment and loyalty.

3.3. Presentation of hypotheses

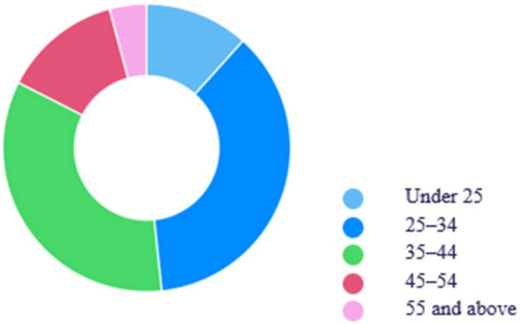
At the core of the research model is employee loyalty, conceptualized as the dependent variable. The model assumes that employee loyalty is influenced by multiple organizational and psychosocial factors within the innovation-driven environment of automotive companies.
Innovation-related pressure is assumed to have a direct negative effect on employee loyalty. In contrast, a supportive and innovation-oriented organizational culture, perceived job security, organizational practices supporting work–life balance, identification with the corporate brand, as well as access to training and professional development opportunities are assumed to have a positive effect on employee loyalty and long-term organizational commitment.

- **H1. Innovation pressure and employee loyalty**
  It is assumed that sustained and high levels of innovation-related pressure reduce employee loyalty.
- **H2. Organizational culture and employee loyalty**
  It is assumed that a supportive and innovation-oriented organizational culture enhances employee loyalty in automotive companies.
- **H3. Job security and employee loyalty**
  It is assumed that employees who perceive stable employment conditions and long-term job security demonstrate higher levels of loyalty.
- **H4. Work–life balance and employee loyalty**
  It is assumed that flexible work arrangements and organizational support for work–life balance strengthen employee commitment and loyalty.
- **H5. Brand identification and organizational commitment**
  It is assumed that employees who strongly identify with the company's brand and core values are more likely to remain committed to the organization over the long term, even during periods of innovation-driven transformation.
- **H6. Training and development opportunities**
  It is assumed that continuous professional development and access to training opportunities contribute to increased long-term employee loyalty.

4. Results

The presentation of the research results begins with an analysis of the first two questions from the questionnaire.
Based on the age distribution, the largest proportion of respondents belonged to the 25–34 age group, accounting for 36,7% of the sample. This was closely followed by the 35–44 age group, which represented 34,2% of respondents. The smallest group consisted of individuals over the age of 55 (4.2%), while those under 25 made up 11.7% of the sample. Respondents aged 45–54 represented 13,2% of the participants.
These figures indicate that the workforce composition of the examined company is predominantly made up of younger and middle-aged employees. This may suggest that the organization's dynamism and capacity for innovation are largely driven by younger generations.

Figure 1 Age groups



Source: own compilation

Regarding employment tenure, 48% of respondents had been working at the automotive company for more than seven years, while 14.2% had been employed for 4–7 years. Another 28.3% had been working for 1–3 years, and 9.2% had joined the company within the last year.

In response to the question *“Which factors contribute most to your loyalty toward the company?”*, the most frequently mentioned factor was **compensation and benefits** (67%), closely followed by **job security** (60.8%). **A positive working environment** was also highlighted as a key factor (59.2%), while **professional development opportunities** were cited by 40% of respondents. **Leadership** and **organizational culture** were each identified by 25% as influencing factors in employee loyalty.

These results suggest that employee loyalty is primarily shaped by financial compensation and perceived stability. However, the workplace atmosphere and opportunities for development also play an important role in fostering long-term commitment. The relationships between these factors will be further examined in subsequent sections of the research.

The fourth question of the questionnaire asked whether respondents had ever considered leaving the company. Results showed that 52% answered yes, indicating that a significant proportion of employees had contemplated resignation.

Those who answered yes were then asked to indicate their primary reasons for considering leaving. The most frequently cited factor was **dissatisfaction with leadership**, selected by 20% of these respondents. This was followed by **lack of opportunities for personal development** (10%) and **insufficient work–life balance** (7.5%). **Higher compensation available elsewhere** was mentioned by only 3.3%, as was the **“other”** category.

These findings suggest that employee dissatisfaction is primarily not rooted in financial issues, but rather in factors related to organizational culture, leadership decisions, and limited opportunities for professional growth. These insights can serve as important input for the company in designing strategies aimed at increasing employee loyalty.

The next section of the study focuses on testing the hypotheses, for which the detailed presentation of previous questionnaire responses is essential, as these are frequently referenced in the hypothesis analysis. The first hypothesis test involves examining the relationship between the following two questions:

Loyalty: *What factors contribute most to your sense of loyalty to the company?*
Innovation: *How often are employees encouraged to share new ideas and innovations?*

H1: Innovation pressure and employee loyalty: *It is assumed that sustained and high levels of innovation-related pressure reduce employee loyalty.*

The Pearson correlation coefficient calculated for this analysis was **r = 0.377**, with a significance level of **p = 0.81**, indicating that, based on the sample of 120 respondents, there is **no statistically significant relationship** between innovation pressure and employee loyalty.

Additional analyses were conducted to explore the relationship between specific loyalty-related factors and innovation encouragement. However, these results also failed to reveal any statistically significant correlations. Therefore, **the first hypothesis was not supported** by the current data.
It is also important to note that correlation does not imply causation. Employee loyalty is influenced by multiple factors, such as leadership support, job security, career development opportunities, and overall work environment. Innovation-related pressure might not necessarily be perceived negatively; employees may view it as a challenge, a learning opportunity, or a way to grow professionally. Such perceptions could counterbalance any potential negative impact of innovation pressure on loyalty.
In conclusion, the current findings suggest that innovation pressure alone is not a sufficient predictor of employee loyalty. Contextual and organizational factors likely play a significant role in shaping how employees experience innovation demands and whether these demands affect their long-term commitment to the organization.
Next, we examined the second hypothesis (H2):

H2: Organizational culture and employee loyalty: *t is assumed that a supportive and innovation-oriented organizational culture enhances employee loyalty in automotive companies.*

To test this hypothesis, the following questions were analyzed:

- **Loyalty** *What factors contribute most to your sense of loyalty to the company?*
- **Organizational Culture:** *How would you describe the company's organizational culture?* and *Do you feel that the company values and respects employee contributions?*

The results **confirmed the second hypothesis**: a supportive organizational culture positively impacts employee loyalty and is a key determinant of long-term employee commitment.
The statistical analysis revealed a **correlation coefficient of r = ,297**, indicating a **statistically significant relationship** between supportive organizational culture and employee loyalty. Recognition of employee contributions also showed a **positive but weaker** correlation with loyalty. In both cases, the level of statistical significance supports the conclusion that improving organizational culture can enhance loyalty.
To initiate such organizational changes, companies must develop a clear corporate strategy and define specific innovation goals. Depending on the company's structure, this process can proceed in two directions: by creating a new organizational unit or by implementing changes internally. In the case of establishing a new unit, organizational design must be undertaken, with characteristics differentiated from the parent company to effectively foster innovation—an approach that may prove successful in the long term (Csedő & Zavarkó, 2019).

Table 1: *Analysis of Hypothesis H2*

		Loyality	How would you describe the company's organizational culture?	Do you feel that the company values and respects employee contributions?
Loyality	Pearson-correlation	--		
	N	120		
How would you describe the company's organizational culture?	Pearson-correlation	.297 **	--	
	Sig.(2- sided)	<.001		
	N	120	120	

Do you feel that the company values and respects employee contributions?	Pearson-correlation	-.185*	-.650**	--
	Sig.(2- sided)	.044	<.001	
	N	120	120	

Source: SPSS – own compilation

The objective of testing the third hypothesis was to examine the strength of the relationship between job security and employee loyalty. The loyalty-related questions used in the analysis were the same as those applied in the evaluations of the first two hypotheses. These were compared with the questionnaire: *"Do you feel secure in your current job position?"*
The results supported the hypothesis. The statistical analysis revealed a correlation coefficient of r = 0.297, indicating a moderate but statistically significant positive relationship between a supportive organizational culture and employee loyalty. Additionally, recognition of employee contributions demonstrated a positive, albeit slightly weaker, correlation with loyalty. These findings suggest that employees are more likely to remain committed to organizations that foster an environment of support, open communication, and appreciation for individual contributions.
From a causal perspective, while correlation alone does not establish direct causality, the observed relationship is consistent with theoretical frameworks in organizational behavior. A supportive culture likely strengthens loyalty through multiple mechanisms: it enhances employees' psychological safety, increases job satisfaction, and fosters a sense of belonging and alignment with the company's mission. Employees who feel recognized and valued are more motivated to invest effort in their work and maintain long-term engagement. Conversely, in organizations lacking support or recognition, employees may experience disengagement, lower motivation, and a higher likelihood of turnover, even if other factors such as job security or compensation are adequate.
Implementing changes to promote a supportive, innovation-friendly culture requires deliberate organizational planning. Companies may establish new units or adapt existing structures to encourage innovation and employee involvement. Such interventions, when accompanied by clear strategic goals, transparent communication, and consistent recognition of contributions, can create an environment where loyalty naturally develops as a byproduct of positive organizational experiences. In summary, the data indicates that cultivating a supportive culture is not only associated with higher employee loyalty but can also serve as a causal driver for enhancing long-term commitment within automotive organizations.

H3: Job security and employee loyalty: *It is assumed that employees who perceive stable employment conditions and long-term job security demonstrate higher levels of loyalty.*

To test this hypothesis, the previously analyzed loyalty indicators were compared with responses to the question measuring perceived job security. The analysis revealed a **statistically significant relationship** between the two variables, supporting the validity of the hypothesis.
The results suggest that the more secure employees feel about their long-term employment, the stronger their loyalty toward the company. Conversely, when job insecurity is high, employees tend to select fewer loyalty-related factors from the available options in the questionnaire.
The calculated **correlation coefficient** was **r = -0,215**, indicating a **negative correlation** between job security and loyalty: the greater the perceived uncertainty, the lower the level of loyalty.
Beyond the observed statistical association, the findings point to an underlying **psychological and organizational mechanism** linking perceived job security to employee loyalty. When employees experience stable employment conditions, they are more likely to develop a sense of predictability, trust, and psychological safety, which fosters stronger emotional attachment to the organization. This perceived stability reduces uncertainty-related stress and allows individuals to invest more

cognitive and emotional resources into their work and organizational relationships, thereby reinforcing loyalty-related attitudes and behaviors. Conversely, heightened job insecurity can trigger defensive coping strategies, such as reduced organizational identification or emotional withdrawal, which may weaken long-term commitment to the employer. From an organizational perspective, perceived insecurity may also signal a lack of reciprocity in the psychological contract, diminishing employees' motivation to demonstrate loyalty. Although the correlation does not imply direct causation, the results are consistent with theoretical models suggesting that job security functions as an important antecedent of employee loyalty through its impact on trust, well-being, and perceived organizational support.

Table 2: *Analysis of Hypothesis H3*

			Do you feel secure in your current job position?
Loyality	Pearson-correlation	--	
	N	120	
Do you feel secure in your current job position?your work and personal life?	Pearson-correlation	-.215*	--
	Sig.(2- sided)	.018	
	N	120	120

Source: SPSS- own compilation

The fourth hypothesis aimed to examine the relationship between **work–life balance** and **employee loyalty**. The hypothesis was formulated as follows:

H4: Work–life balance and employee loyalty: *It is assumed that flexible work arrangements and organizational support for work–life balance strengthen employee commitment and loyalty*

To test this hypothesis, the previously applied loyalty-related question served as the baseline variable, which was analyzed in relation to responses to the following work–life balance–related items:

- *Do you feel you have a good balance between your work and personal life?*
- *How often do you feel stressed about work affecting your personal life?*
- *Does the company provide flexible working options (e.g., remote work, flexible hours)?*
- *How motivated do you feel in your current role?*

According to the statistical analysis, **no significant correlation** was found between overall work–life balance and employee loyalty. The **Pearson correlation coefficient** was **r = -0.037**, indicating **no strong or meaningful relationship** between the two variables in the current sample.

This suggests that, in this case, the perceived level of work–life balance does not exert a direct influence on employee loyalty. However, it is important to consider that other factors—such as leadership support, organizational culture, and job security—may have a more substantial impact on loyalty. These should be further investigated in future research.

Nevertheless, the work–life balance–related questions were examined in greater depth. Further analysis confirmed that a **balanced work–life dynamic positively influences workplace motivation**, which clearly contributes to employee performance and the long-term success of automotive companies. The results show that **work–life balance has a direct effect on employee motivation**, thereby supporting the achievement of corporate objectives.

Table 3: *Further Analysis of Hypothesis H4*

		How motivated do you feel in your current role?	Do you feel you have a good balance between your work and personal life?	How often do you feel stressed about work affecting your personal life?
How motivated do you feel in your current role?	Pearson-correlation	--		
	N	120		
Do you feel you have a good balance between your work and personal life?	Pearson-correlation	-.224*	--	
	Sig.(2- sided)	.014		
	N	120	120	
How often do you feel stressed about work affecting your personal life?	Pearson-correlation	-.172	-.554**	--
	Sig.(2- sided)	.061	<.001	
	N	120	120	120

Source: SPSS- own compilation

These findings indicate that work–life balance may function less as a direct antecedent of employee loyalty and more as an indirect or mediating factor within the broader organizational context. A balanced work–life dynamic appears to primarily influence employees' motivational states and psychological energy, which in turn shape performance-related outcomes rather than immediate attitudinal loyalty. In highly demanding and transformation-driven industries such as automotive manufacturing, employees may tolerate temporary imbalances in exchange for job security, meaningful work, or strong leadership support, thereby weakening the direct link between work–life balance and loyalty. Furthermore, loyalty may be more strongly anchored in relational and structural factors—such as trust in leadership, perceived organizational support, and long-term career prospects—than in day-to-day balance perceptions. Consequently, work–life balance should be understood as a supportive enabling condition that strengthens motivation and sustainable performance, while loyalty emerges from a more complex interaction of organizational, psychological, and contextual variables.
The penultimate hypothesis tested in this research is as follows:

H5 Brand identification and organizational commitment: *It is assumed that employees who strongly identify with the company's brand and core values are more likely to remain committed to the organization over the long term, even during periods of innovation-driven transformation.*

To validate this hypothesis, the following survey items were used:

- **Commitment:** *Have you ever considered leaving the company in the past year?*
- **Brand Loyalty:** *Do you feel proud to work for this company?*, *Does the company's brand inspire trust and confidence in employees?*

The SPSS-based correlation analysis produced the following results: Employees who feel a stronger emotional attachment to the company's brand and express pride in the products it manufactures are more likely to remain loyal over time. The **correlation coefficient** indicated a **moderate-strength relationship** (as defined by Cohen), confirming a **positive association** between brand loyalty and employee commitment.
Based on these results, the hypothesis was **confirmed**. Identification with the corporate brand and positive attitudes toward the brand significantly reinforce long-term employee commitment.

Furthermore, employee commitment has a notable impact on **innovation performance**, of which **employer branding is a foundational element** (Wang & Wang, 2024).

Table 4: *Analysis of Hypothesis H5*

		Do you feel proud to work for this company?	Does the company's brand inspire trust and confidence in employees?	Have you ever considered leaving the company in the past year?
Do you feel proud to work for this company?	Pearson-correlation	--		
	N	120		
Does the company's brand inspire trust and confidence in employees?	Pearson-correlation	-.383**	--	
	Sig.(2- sided)	<.001		
	N	120	120	
Have you ever considered leaving the company in the past year?	Pearson-correlation	-.248**	-.317**	--
	Sig.(2- sided)	.006	<,001	
	N	120	120	120

Source: SPSS- own compilation

The results provide strong empirical support for the assumption that **brand loyalty functions as a key psychological driver of employee commitment**. Employees who identify with the company's brand and perceive it as trustworthy and value-consistent are more likely to internalize organizational goals as part of their own professional identity. This identification process strengthens emotional attachment and fosters a sense of belonging, which reduces turnover intentions and enhances long-term organizational commitment. From a causal perspective, a credible and value-driven employer brand can be understood as a symbolic resource that reinforces the psychological contract between employees and the organization, thereby increasing willingness to remain despite external job opportunities. Conversely, weakened trust in the corporate brand may erode this psychological bond, increasing the likelihood of withdrawal cognitions such as contemplating leaving the organization. Although the correlational design does not permit definitive causal conclusions, the findings are consistent with social identity theory and employer branding literature, suggesting that strong brand identification precedes and reinforces sustained employee commitment and indirectly contributes to innovation performance through higher engagement and discretionary effort.

H6: Impact of Training and Development Opportunities: *Continuous training promotes long-term employee commitment.*

For the correlation analysis of this final hypothesis, the following survey items served as the basis:

- **Employee Retention:** ***Have you ever considered leaving the company in the past year?***
- **Training Opportunities:** ***How satisfied are you with the training opportunities provided by the company?*** and ***Do you believe the training programs are effective in preparing employees for industry changes?***

According to the results of the SPSS correlation analysis, a **statistically significant relationship** was identified between training opportunities and employee retention. The findings suggest that the fewer training opportunities the company provides, the more likely employees are to consider leaving the organization.

This indicates that continuous professional development and the provision of adequate training opportunities are **key factors** in maintaining long-term employee commitment. Training also offers advantages from a **knowledge-sharing** perspective, supporting internal development and enabling companies to evolve in relation to their own performance benchmarks (Tajti et al., 2024).

Table 5: *Analysis of Hypothesis H6*

		Have you ever considered leaving the company in the past year?	How satisfied are you with the training oppurtinities provided by the company?	Do you believe the training programs are effective in preparing employees for industry changes ?
Have you ever considered leaving the company in the past year?	Pearson-correlation	--		
	N	120		
Do you believe the training programs are effective in preparing employees for industry changes ?	Pearson-correlation	-.168	--	
	Sig.(2- sided)	.066		
	N	120	120	
Do you believe the training programs are effective in preparing employees for industry changes ?	Pearson-correlation	-.119	-.540**	--
	Sig.(2- sided)	.196	<.001	
	N	120	120	120
Are there sufficient opportunities for professional growth within the company?	Pearson-correlation	-.309**	.315**	.311**
	Sig.(2- sided)	<.001	<.001	
	N	120	120	120

Source: SPSS- own compilation

*. The correlation is significant at the 0.05 level (2-tailed).

**. The correlation is significant at the 0.01 level (2-tailed).

The analysis demonstrates a clear causal link between the availability of training opportunities and employee retention. Employees who perceive fewer opportunities for professional growth are more likely to contemplate leaving the organization, suggesting that inadequate development initiatives directly undermine long-term commitment. Conversely, the provision of effective and relevant training programs appears to enhance employees' confidence in navigating industry changes, thereby fostering a sense of job security and loyalty. The strong positive correlations between satisfaction with training and perceived effectiveness of programs indicate that when employees experience meaningful skill development, they are more engaged and less likely to exit. From an organizational perspective, investing in continuous professional development not only mitigates turnover risk but also facilitates internal knowledge transfer, which strengthens overall performance. Therefore, the findings support the hypothesis that targeted training initiatives are a pivotal mechanism through which companies can sustain both individual growth and strategic competitiveness.

Figure 2 Summary of Hypotheses and Relationships

Source: own compilation

The figure summarizes the hypothesized causal relationships between key organizational factors and employee loyalty in the automotive industry. It illustrates that organizational culture (H2), job security (H3), brand identification (H5), and training and development opportunities (H6) exert a significant positive influence on employee loyalty, whereas innovation pressure (H1) and work–life balance (H4) do not demonstrate a direct statistically significant effect. The model highlights that employee loyalty emerges from a complex interaction of structural, cultural, and developmental drivers rather than from innovation-related demands alone. Overall, the diagram provides an integrative framework that supports a holistic understanding of employee loyalty in innovation-driven organizational contexts.

5. Short Case Study: Enhancing Employee Loyalty in the Automotive Industry

A large German automotive manufacturer undergoing rapid transformation toward electrification and digitalization experienced increasing turnover intentions among engineers and technical specialists. Although innovation pressure was initially assumed to be the primary cause, internal analyses revealed that employee loyalty was more strongly influenced by organizational conditions than by innovation demands themselves.

In response, the company introduced leadership development initiatives to strengthen a supportive and innovation-oriented culture, alongside measures to enhance perceived job security through transparent career paths and reskilling programs. Internal employer branding was reinforced to foster identification with the company’s innovation-driven mission and German engineering values, while continuous training opportunities were expanded to support long-term professional development.

Within one year, employee surveys indicated reduced turnover intentions and higher levels of organizational commitment. The case illustrates that innovation pressure does not inherently

undermine employee loyalty; rather, loyalty is sustained when innovation is embedded in a supportive organizational context characterized by trust, stability, and continuous development.
The case study provides qualitative support for the empirical findings of this research. Consistent with **H1**, innovation pressure alone did not undermine employee loyalty; instead, its impact depended on organizational context. The interventions implemented directly reflect the mechanisms confirmed by **H2** and **H3**, as supportive organizational culture and perceived job security proved central to restoring commitment. Measures related to internal employer branding align with **H5**, reinforcing brand identification as a driver of long-term loyalty. Finally, the expansion of continuous training and development opportunities mirrors the findings of **H6**, demonstrating that professional growth significantly reduces turnover intentions. In line with **H4**, work–life balance was not treated as a primary loyalty lever but rather as a supportive condition influencing motivation. Overall, the case study illustrates how the empirically tested hypotheses interact in practice within a real organizational setting.

6. Conclusion

6.1 Application of Findings and Recommended Actions

Based on the research results, we conclude that the following areas are of key importance for automotive companies: improving organizational culture, enhancing job security, strengthening brand loyalty, and expanding training and development opportunities. Taking these factors into account, we propose the following measures, which—according to both academic literature and empirical findings—can significantly contribute to the retention and enhancement of employee loyalty.

6.2 Developing Organizational Culture

The findings indicate that reinforcing a supportive and innovation-friendly organizational culture promotes employee loyalty. An open, inclusive, and creativity-driven environment positively influences employee engagement (Hogan & Coote, 2014). Fostering a corporate culture that embraces innovation contributes to sustained competitiveness, as well as to long-term employee motivation and commitment.

Recommended actions:

- Review leadership styles and communication practices to promote innovation and open dialogue (Eisenbeiss et al., 2008).
- Strengthen core organizational values that emphasize respectful workplace behavior and a commitment to continuous improvement.

6.3 Enhancing Job Security

Measures that ensure job security directly contribute to increased employee loyalty. Stable employment conditions and a sense of long-term security enhance trust in the company (Getahun Asfaw & Chang, 2019). Ensuring job security not only improves employee satisfaction but also boosts overall company performance, as loyalty is closely linked to perceived workplace stability.

Recommended actions:

- Develop internal agreements that support long-term employment and outline stable career paths for employees. It is essential to provide multiple career track options, including not only traditional vertical advancement but also horizontal career development opportunities.
- Design benefit and insurance programs that enhance employee security, including reskilling and retraining options that reassure and motivate staff.

6.4 Strengthening Brand Loyalty and Commitment

To reinforce the connection between brand loyalty and organizational commitment, employees must develop a strong identity with the company's brand—one that aligns with their personal values and goals. Identification with the brand is closely tied to employee engagement, particularly during periods of innovation-driven transformation (Kim & Kim, 2023).

Recommended actions:

- Continuously communicate the company's brand and mission; offer opportunities for employees to test company products (e.g., vehicles), participate in automotive exhibitions and competitions, and ensure that every employee understands and supports the company's values.
- Shape a brand image that resonates personally with employees—for example, by fostering pride in the company's products and services. For a German automotive manufacturer, this can be achieved by emphasizing innovation, future orientation, and promoting German standards of safety and quality.

6.5 Expanding Training and Development Opportunities

Improving the effectiveness of training programs and providing clear paths for employee development directly contribute to sustaining employee loyalty. Based on our findings, continuous learning and development increase motivation, better prepare employees for industry changes, and improve workplace performance (Kuvaas & Dysvik, 2009). Training not only enhances engagement but also supports organizational success.

Recommended actions:

- Provide personalized training and development programs aligned with industry trends and individual career aspirations. These may include advanced training in automotive software, electric motor and battery technology, as well as professional visits to suppliers across different linguistic and geographic regions.
- Continuously update educational offerings by integrating the latest industry knowledge into internal training structures, and include personal development modules focused on adaptability and resilience to support adjustment to changing environments.

For automotive companies, it is essential to invest in the development of organizational culture, enhancement of job security, strengthening of brand loyalty, and expansion of training opportunities. Implementing the recommended measures may significantly increase employee loyalty, which in turn contributes to the company's long-term competitiveness and sustainability.

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