Career development to construction site managerial positions in the construction field

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Abstract

This research explores career development in the construction industry. By showcasing the career narratives of managers of construction sites (N=21), the research unfolds which elements are significant in influencing career development and aims to increase the possibilities for construction workers to flourish in their careers and help make such careers more attractive. The career narratives were analyzed in two phases. First, the analysis of narratives showed that except for the various career experiences, the proximity of construction sites in the interviewees' managerial career goals differentiated the narratives. Second, as a result of narrative analysis, three construction managerial career paths were identified: I) devotion to construction site management, II) interest in versatile construction projects, and III) passion for leadership. Career development could be viewed from the perspective of various capitals which emerge in the narratives. The interviewees brought up societal and economic changes that challenged or boosted their careers or even caused them to change direction. Career goals might not have been achieved as such if they were not enabled by external factors, such as organizational, economic, societal, or location-related issues or favorable coincidences. The participants found favorable options and solutions for career development by drawing on their social and psychological resources. Social capital supported career choice and career development, whereas psychological capital appeared as, for example, optimism, perseverance, and an ability to follow one’s calling.

Keywords: career path, construction management, narrative research, positive psychology, psychological capital, social capital

Introduction

The construction sector forms a multidimensional context of career research as it provides its workers with a very people-intensive and complex work environment characterized by structural fragmentation, diversity of work practices, and rapidly changing projects (Dainty et al., 2007). The “construction industry” is, in itself, subject to several different boundary definitions (Dainty et al., 2007), but the uniqueness of the industry, in terms of its multidimensionality, is commonly acknowledged in academic books and journals (Hillebrandt, 2000; Dainty et al., 2007; Opoku & Fortune, 2011; Toor & Ofori, 2008). This research showcases career narratives of managers of construction sites with different kinds of professional backgrounds, unfolding the significant elements which have influenced their career development. From a historical perspective, construction work appears to be a physically demanding job that has favored men. Social stereotypes and norms still play a large role in reinforcing a gendered workforce (Naoum et al., 2020; Styhre, 2011), and gendered management strategies are still experienced in the field (Naoum et al., 2020; Raiden, 2016; Rautio, 2022). One purpose of this research is to discover which elements make a construction career attractive and how to enhance engagement in the field from the perspective of personal career experiences. First, this is a topical concern because there is currently a serious lack of construction
site managers (Ministry of Economic Affairs and Employment, 2022). Second, by making these career stories visible, we hope to improve the development of education and leadership in the construction industry (see Borg & Scott-Young, 2022). Drawing on the aforementioned two objectives, we also wish to increase possibilities for construction workers to flourish in their careers and help make these careers more attractive.

**Career Development in the Construction Field**

In this research, career narratives are understood as individual experiences intertwined with contexts and environments (Baruch & Bozionelos, 2011; Cohen et al., 2004). Today’s psychological approaches to careers show that work that provides a sense of purpose, challenge, and self-fulfillment, along with rewarding income, becomes a positive source of identity, creativity, and life challenge as well as status and access to social networking (Baruch, 2004; Uusiautti & Määttä, 2015). This study leans on the positive psychological idea of increasing flourishing by understanding human behavior through strengths and positive development (Peterson, 2006; Seligman, 2011; Uusiautti et al., 2020). In order to experience positive experiences, such as joy and accomplishments along one’s career, it is essential to have a job and follow a career path that makes self-fulfillment possible. These opportunities for flourishing and favorable career development can form the basis of a successful career path (Uusiautti & Määttä, 2015). This research aims to contribute to the understanding about flourishing at work in the field of construction industry.

A satisfying and meaningful career can be built not only by moving “upwards,” but also without a change of jobs or titles (Redecopp & Huston, 2019; Wu et al., 2019). In addition, career progress is greatly affected by the environment (Baruch & Bozionelos, 2011; Cohen et al., 2004). The construction industry offers a plethora of satisfying and well-paid career paths to managerial positions (Gajjar et al., 2019). Since managerial positions at construction sites are not entry-level jobs (Byers, 2016), these managers are usually required to have both a university degree and construction work experience (see also Wilkes et al., 2015).

In the construction field, career progress is also greatly affected by social environment (Baruch & Bozionelos, 2011; Cohen et al., 2004) and social relationships and networks seemingly play an important role in successful career paths (e.g. Mäki, 2021; Rautio, 2022). In adolescence, parents have the highest level of influence on students (Bryan et al., 2011). Additionally, career guidance plays a pivotal role in young people’s career choices (Francis & Prosser, 2013). During employment, positive social relationships at home and at work promote career success (Uusiautti & Määttä, 2015) and these relationships are commonly approached together with the individual’s social skills such as empathy, cooperation and assertiveness (see Seligman, 2011). For those who aspire to succeed in the field, it appears that high social capital pays off (Ganiron & Tomas, 2013).

Work readiness studies have explored the early career stages of construction professionals (see, for example, Borg & Scott-Young, 2022; Torres-Machí et al., 2013) but very few actual career paths or the significant factors which affect them. It is known that career calling (Hall & Chandler, 2005) is strong among the ac-
tors in the field (Wu et al., 2019). In the construction field, career calling is a significant buffer against burnout and stress caused, for example, by role ambiguity in the variety of tasks that are related in the field (Wu et al., 2019). Career calling manifests itself as (1) action orientation, (2) clarity of purpose and (3) mission and pro-social intention, and thus, also makes people commit to their work (Wu et al., 2019).

From the point of view of our research, learning about early stage career calling and commitment can help the construction field for pointing out the attractiveness and career opportunities in a better and modern way. Successful career guidance itself can be regarded as social capital of students (Bryan et al., 2011), while it also increases the student’s psychological capital to make self-appreciative and well-being-promoting career decisions that illustrate hope, optimism, self-confidence, and resilience (Luthans et al., 2004; Katajisto et al., 2021). Previous research proclaims the need both to raise awareness of career possibilities related to construction management (Wilkes et al., 2015) and to consider gender diversity when directing students to construction (Francis & Prosser, 2013). Such guidance helps students find meaningful careers and understand their abilities and strengths in different positions (see also Hyvärinen et al., 2022). If career guidance in the construction field is to be developed in such a way that it inspires new students and future employees, it is essential to reveal the aspects individuals see as important in their career development (MacDonald & Durdyev, 2021; Francis & Prosser, 2013).

Method

Two research questions were set for this research:

1. How do managers of construction sites with different kinds of professional backgrounds describe their careers?

2. What kinds of similarities and differences appear in their career narratives?

To answer these questions, we used the narrative approach. A narrative is here defined as a story of a career, which unfolds over time and with consequence within a specific social cultural milieu (see Wells, 2011). A semi-structured interview method was used to conduct the research interviews (see Brinkmann, 2018), and we also applied a narrative futuring technique (Horst, 2021) by asking the interviewees to imagine and talk about their career situations in the future. The interviews included questions about choice of field, significant career events, goals and prospects, personal qualities, and the importance of work. For the pursuit of interviewees, an invitation letter was dedicated to ones working in managerial positions of construction sites with a snowball method by contacting construction associations and companies, publishing the invitation in Rakennuslehti [Construction Magazine] in November 2020 and by directly contacting.

The data consisted of 21 oral (N=20) and written (N=1) interviews (19 men, two women, aged 25–74), conducted in Finnish. The participants had the following educational backgrounds: undergraduate degree in construction (N=1); master builder from a university of applied sciences (UAS) (N=10); UAS mas-
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due to the possibilities available. Individual and external factors affecting careers were also described both universally and in a unique way and may have featured in many types of career paths. Instead, when the interviewees described their future goals and the importance of the work, we noted that the strongest differentiating factor was the degree to which their career was related to actual construction and proximity to construction sites. Thus, the meta-narratives were formed based on the proximity of construction sites in regard to both career goals and career accomplishments. The narratives were tagged “CS” (construction site), “CS&H” (construction site or higher), and “H” (higher), where CS refers to career goals and achievements in the construction site, and H refers to career aspirations toward higher leadership positions off-site. All narratives could be placed into the following three categories:

• veterans (N=11), CS=9, and CS&H=2
• professionals (N=7), H=7
• novices (N=3) H=2, and CS=1.

In the report on results, the 21 interviewees are referred to with capital letters, A–U, and marked with the codes v, p, or n (veteran, professional, or novice).
Results

Career Advancement

Career choice and early career path

A majority of the interviewees had entered the industry either because close male relatives had provided role models or because they had participated in construction at an early age. In the veterans’ stories, own interest in construction and diverse financial reasons played pivotal role, while educational possibilities were not always accessed easily. Most of the professionals had been very certain about their choice of field, although two had drifted to the field. Novices also mentioned the effect of their fathers but they had either been guided to or had drifted to the field. They had had multiple educational opportunities from which to choose.

I started with my father, grandfather, and uncle. Then vocational school, technical school, and working life. – – I had no other option in mind. (vL)

It’s a matter of blood inheritance. Grandpa is a master builder... (pF)

...through my father, I got a summer job – –, I felt I was not interested in construction work. – – The following summer, however, I went to a site – – and became interested in studying the industry. (nH)

I’ve held diverse positions from – – responsible site manager, construction manager, production manager, to CEO...

(vB)

After [graduation] I immediately got to manage my own project as site manager...

(pA)

I got to be a supervisor of – – construction workers, which was very strange because I was very young.

(nH)

Work experience was followed by technical or high school, then commonly military service (mandatory for men in Finland) and higher education studies of site management or engineering. The actual site managerial work often began in the role of foreman or site manager. As experience and know-how accumulated, they generally gained increasingly challenging sites or advanced to being responsible site managers.

Careers in these positions consisted of diverse and unique projects in several locations. Interviewees gave detailed descriptions about site progress, adversities faced, and solutions found. Several veterans and professionals had worked abroad, some had also been entrepreneurs during their careers. Careers developed in the direction of interviewees’ own interest rather than, for example, an educational orientation.
Career Goals and Future Prospects

The veterans had either remained in or returned to managerial positions at or close to actual construction sites. All the veterans (N=11) aimed to stay in similar positions in the future. The professionals (N=7) and two of the novices (N=3), in turn, were pursuing career advancement towards higher management positions performed further away from the immediate context of construction sites. One novice’s story epitomizes how career development can also be pursued as an interest in developing in the site manager’s task itself.

Similar challenging tasks, challenging sites. (vM)

...unit manager, regional manager. (pF)

Supervisors often ask me [about my career goals]. I really can’t say because I think it’s nice now, here. Of course, I want to learn more. (nT)

Interviewees divided the management positions into construction site and office work. Those aiming to stay close to actual construction described themselves as “doers, with boots in clay.” Those pursuing higher management roles described their goals as being either to take on more responsibility or to emphasize developmental aspects of their work. The supervisor’s role was described as more of a leadership role than one of leading work. Factors characteristic of construction work, such as the demand to be physically present at sites or engage in complex work tasks were also included in future prospects.

Significant Factors for Career Advancement

The range of personal factors affecting career paths were quite consistent: own ambition, interest in construction (some used the terms “passion” and “love”), and desire for continuous learning were often brought out. Interviewees valued social skills. Flexibility, self-confidence, resilience, determination, and goal orientation were commonly mentioned, as was the courage to take on the new challenges. Additionally, a veteran highlighted a personality that enjoys and fits project-type work.

Contracts and project-type work, my personality fits those. (vB)

Social skills, I have a lot of acquaintances and friends with whom I talk and get first-hand information about big projects. (pD)

I took on more responsibility and was really left alone. A foreman’s work is sometimes very rough, and you have to know how to deal with it. (nH)
External factors impacting careers appeared to be diverse: work-related contacts such as good colleagues and supervisors, cross-organizational networks, unofficial mentors and close friends supported and enabled career advancement. Furthermore, economic fluctuations quickly affected the construction business and cause a limited work supply, which appeared in several narratives, yet the interviewees remembered numerous significant encounters and positive opportunities in challenging situations.

In 1994 it was very quiet in Finland so – – a good friend lured me to a Russian project...

(vL)

...I became unemployed and went to [a] construction site as a welder.

– – I applied for a company ID and [started] my career as an entrepreneur.

(pJ)

...an organizational change began. Everyone got fired. – –

It was a good opportunity to begin the master builder studies.

(nT)

In many stories, coincidences, head-hunters and families played important roles. One professional mentioned effective study counseling, while one novice mentioned the lack of it. The birth of a child could make a person decide not to work out of town, and support received at home was perceived as a meaningful promoter.

Career Narratives to Managerial Positions

The Beginning of Three Management Paths

The dominant three career narratives leading to managerial positions depict paths where the actors have congruent construction-related experiences in their youth and family members who are construction workers. Career development for management positions starts in childhood and youth by getting to know the field early on with (basically male) relatives. Young people gain work experience in assistant or summer jobs at construction sites. The field selection is confirmed at the stage they choose where to study. Often, the choice is clear, and construction is, in itself, interesting to applicants for construction studies at university.

During their studies, actors start expanding their networks and become familiar with various construction related jobs. Managers-to-be familiarize themselves with out-of-town work. Work experience before and during studies is useful and valued later in working life. While these manager pathways are markedly different, unique, and affected by various specific features, a commonality that can be identified among all interviewees is the significance of social relationships, networks, and the environment.

Path 1: Devotion to Construction Site Management

Construction site managers have a passion for both building and management and a
sense of doing substantial work yet being in a managerial position and having their “boots in the clay.” Site managers and responsible site managers like project-based work, value social relationships on construction sites, and feel that they are producing solid work results at the crossroads of many construction-related parties. The actors need to learn to take over multicultural work environments and specialized construction areas. Instead of the chance to take on a particular job title, career development is measured by the demands of construction sites, one’s own specialization and development, work experience and success in completing projects. At the end of their career, the actors on this career path have a great deal of construction expertise and many stories of memorable occurrences at work.

Path 2: Interest in Versatile Construction Projects

In this path, the actors partly experience participation in construction sites, but their work consists of the development and management of entities and is mostly office-based. Depending on the size of the employer company, these positions can be for example, a construction manager or project manager. From these management positions, one can move to site management or other managerial positions, and an experienced responsible site manager, for example in special construction sites, often follows this path. Moving to the position of responsible site manager does not feel like a career demotion but, rather, as accepting more challenging projects. However, the many dimensions of management and an interest in staying near construction sites are of interest to those following this career path.

Path 3: Passion for Leadership

Higher management positions are pursued and thus advanced to early on; those aiming for these positions aim at developmental and managerial tasks in general. At the time they selected their occupation, they had a strong interest in the construction industry. New challenges interest these actors, and they see them in various management positions. Usually, their career has progressed quickly in terms of job titles and areas of responsibility. Since there are relatively few higher management positions, the actors take advantage of opportunities to advance in their career, and opportunities may come by chance and through favorable events. Work takes place in the office, and career development is measured through job title and salary development, along with the development of leadership skills.

Discussion

In this research, it seemed that career development, rather than being a steady career progress toward managerial positions, could be viewed from the perspective of various capitals emerging in the narratives. The construction site managers brought up societal and economic changes that challenged or boosted their careers or could even cause them to change direction. Career goals might not be achieved as such if external factors, such as organizational, economic, societal, or location-related issues or favorable coincidences, did not enable them. However, favorable options and solutions for career development could be found by drawing on psychological and social resources.
The role of career guidance appeared in the career narratives only twice.

Social capital, in the form of who people know and what kinds of social networks they have (Luthans et al., 2004), had a strong impact on the interviewees’ career choice and paths. They ended up in the construction field through personal interest and because of family members (e.g. MacDonald & Durdyev, 2021), and career development was supported by a large number of social and psychological factors. Psychological capital (e.g. Luthans et al., 2004) appeared as optimism, perseverance, and ability to recognize one’s calling (e.g. desire to work on site). It also seemed to support wellbeing, facilitate self-appreciating career decisions (Luthans & Youssef-Morgan, 2017), and strengthen the ability to withstand business challenges and economic uncertainty (Luthans et al., 2004; see also Elsafty et al., 2020).

It is, however, reasonable to point out that the role of career guidance appeared in the career narratives only twice; in one story as a significant factor affecting career choice, and once it was mentioned to have been lacking. The careers of the interviewees had ultimately turned out well, but the absence of teachers and student counselors in the data was remarkable. The potential of counseling could be better leveraged, especially from the perspective of introducing the various possibilities of careers in the construction field and finding the most suitable paths for each individual.

When telling somebody else’s story, the key ethical questions concern story ownership and entitlement (Guthrie, 2022; Shuman, 2015). In this research, the uniqueness of each participant’s story is influenced by the theme and questions of the interview, and finally, by the interpretations made by the researchers. This may have led, for example, to an emphasis being given to the importance of certain experiences in the career stories, since the semi-structured interviews consciously aimed to encourage the narration of particular social experiences (see Slembrouck, 2015). For example, if more novices or women were reached for the research, the findings might have gotten different emphases. In terms of reliability, however, the narratives appeared rich yet highlighted those career events that the interviewees themselves wanted to bring up and express as meaningful for them.

Conclusion

The construction industry will experience a major shortage of skilled labor due to the retirement of baby boomers and the lack of new talent entering the industry to replace them (Gajjar et al., 2019). As also discovered in this study, traditionally the nature and notion of careers has been based on hierarchical, even rigid, structures. Past career models had a clear, uni-dimensional direction of prescribed “advancement,” whereas both practice and research now demonstrate models of careers that comprise a variety of options and directions (Baruch, 2004). We now have multi-option criteria to assess career advancement or success. These can be inner satisfaction, life balance, autonomy, freedom, or other measures of self-perception (e.g. Baruch, 2004; Karima et al., 2022) or can be defined, for example, through individual, social, and work-related roles (see Rautio, 2022).
Another important notion for further contemplation is how to make construction careers more attractive in general, including to women, so that women would not need to overcome barriers and find ways to cope in male-dominated construction environments (see Lingard & Francis, 2008; Naoum et al., 2020; Styhre, 2011). Our research provides new information about how people enter a construction career and how the career development plan may depend on, for example, how attractive they find working on site or being in higher leadership positions. Furthermore, the work itself has become increasingly fragmented and unpredictable. From the perspective of a construction site worker, this poses another challenge for collective identification at the workplace. Löwstedt and Räisänen (2014) talk about tensions between an in-group and “outsiders,” which was referred to in our study in situations where “real” construction workers and office workers collaborate. Various managerial roles may have similar competitive elements, which, however, does not favor the future development of the field.

Based on the analysis of narratives and narrative analysis conducted in this research, two main implications emerge:

1. In construction firms, it is crucial to pay attention to the role of various positions. As shown in this research, not everyone aims for a higher managerial position or wants to leave behind work at the construction site. Quite the contrary: On-site work should be appreciated and branded in a new way, namely how to become a skilled manager who is familiar with construction processes and able to lead work on site. Finding meaning in on-site work arises from the ability to accumulate psychological and social capital; if the career goal is more hierarchical, these capitals remain equally valuable.

2. The attractiveness of managerial careers in the construction field should already be emphasized before university studies. The career opportunities should be better described and discussed. In addition, the nature of the work, both on-site and in higher managerial positions, needs more attention from career counselors: The positive sides of both should be discussed. In general, the pride gained by working in the construction field can be best explained through narrative research findings such as those presented here.

We suggest that construction education should emphasize the collective professional pride of the construction industry, for example by familiarizing students with various development options and supporting their reflection on their own measures of success. Generally, appreciation of all the aspects of multidirectional career development (including development in the tasks and expertise, not just to various leadership positions) should be highlighted to strengthen commitment to and pride in construction work.
References


