## Production and Heallth: man/work interaction

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The Production and Health Integrated Lab (LIPES) belongs to the Department of Production Engineering from the Universidade Federal de Minas Gerais. Its objective is the development of activities aimed at building preventive practices in current contexts of work. With the theoretical and methodological bases on Ergonomic Work Analysis (Guérin et al., 2001; Falzon, 2007) and Ergology (Schwartz & Durrive, 2010), the human activity is placed in the center of studies to understand how the determinants of different levels (micro, immediate work situations; meso, relating to organizational aspects; and macro, social, political and economical determinations) are intersected and create (or not) the possibilities of action. Thus, it is from the experience developed by the actors at work that knowledge is built.

In the electrical sector, organizational changes at the end of the twentieth century, especially in the context of privatization, affected directly the work of operators of the system line. In this context, electricians working with energized lines (Hot Line Working) still experience a reduction in the number of members in teams. If in the past they used to operate with a collective made up of 7 electricians for hard tasks, today the number ranges from double to 5 electricians. However, accomplishing the task with two members was an intense subject of debate between the operating levels, who are against the changes, and the management, who is on the favorable side in a company.

The impasse over the pairs involves cognitive and physical elements of the organizational work. The anticipation activity of elements that interact in this context, which can create potential risky situations, is carried out mainly by the foreman, and this demands a high level of concentration and attention. Electricians are against the turnover of this function because they believe that there is damage to the skills development and undermines the effectiveness of their interventions.