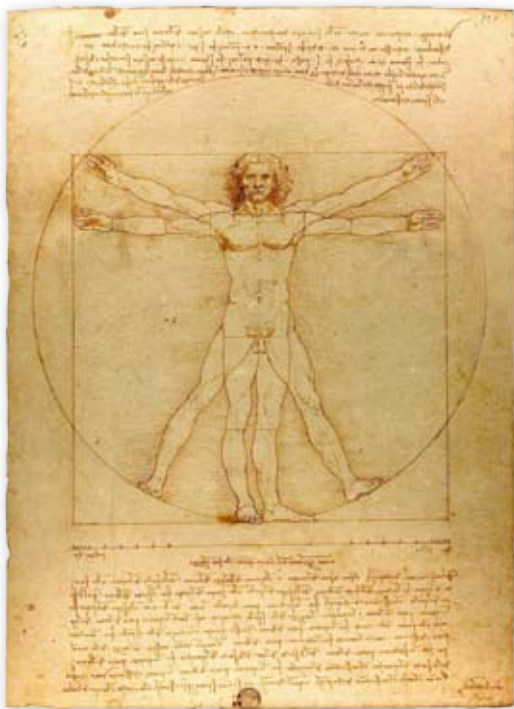


## Visual Ergonomics for improved working conditions



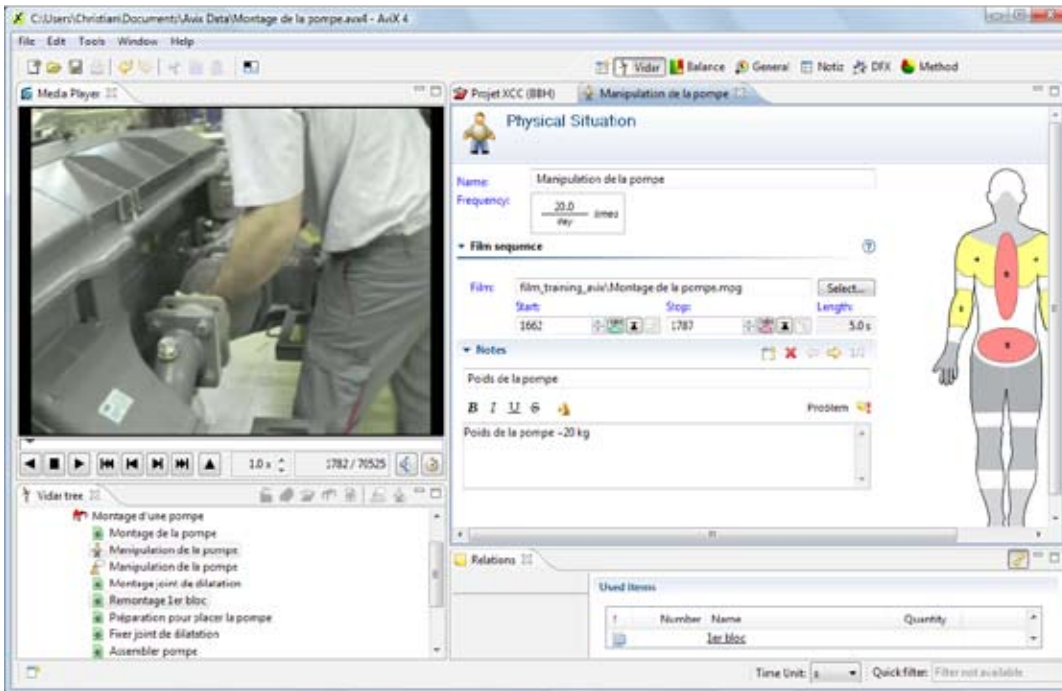
*With an aging workforce and ever more complex requirements on the assembly line, ergonomics is moving into the centre of attention. AviX® Ergo brings a radical new approach to improving ergonomics at the workplace through evaluation of a video for improved quality and productivity.*

AviX® Ergo combines the in-depth analysis of the workplace achieved by AviX® Method with the acknowledged Borg CR-10 scale to determine physiological strain levels at the work place, and in parallel assess psychological stress. Starting from the AviX® Method video analysis, categorizing the motions at the workplace into eight basic movements and four ergonomic modifiers, AviX® Ergo uses this for an interactive, video based analysis with the workers involved. Facilitated by an expert, the physiological strain and psychological stress levels are determined and visualized on-screen without delay.

**Improvement measures** can be immediately developed and mirrored back into the AviX® Method application, regularly resulting not only in the improvement of the working conditions, but also of productivity.

**The underlying methodology** of the Borg CR-10 scale has been one of the first widely used methods for ergonomics optimization, based on the groundbreaking work of Prof. Gunnar Borg from Stockholm University. Dating back to the 60ies in its origins, the first Borg scale was derived in the early 80ies. Today it is recognized as one of the shaping factors for worker centred productivity movement that laid the groundwork for today's strong position of Sweden's manufacturing industries.

**The coloring system** allows to visually grasp the extent and location of possible strain. Having the video permanently visible in parallel, the origin of the strain or stress is apparent and countermeasures can easily be developed.



**Being visual in every detail** the results of AvIX® Ergo are immediately understandable. Strain and stress is translated into colours, so that it is possible to visually grasp and minimize the risk of long time injury.

**The pedagogic approach** of AvIX® Ergo allows everyone working in the production to be involved in the improvement process. The program helps facilitate the discussion within the group; any change immediately becomes visible and can be shared for better understanding.

**Areas of usage:**

- Ergonomic studies in manufacturing and office
- Planning of workplaces and manufacturing lines
- Ergonomics training and education in manufacturing and office
- Continuous improvement

**For whom?**

- Production
- Production Engineering
- Production Planning
- Office Planning
- Education
- Occupational Medicine

