

PROBLEM/ISSUE ADDRESSED

Keeping a stable, motivated and productive workforce is key to any manufacturing industry, in the respect of ageing and gender issues and of people with special needs. The integration of ergonomics at the early design phase through virtual simulation is the only viable solution to optimize human well-being and overall system performance. Limiting time and costs of interventions is fundamental for companies to compete in an aggressive business environment.

SOLUTION

EAWS is the holistic method able to answer to such industry need. With the implementation of EAWS inside IPS IMMA, a digital human model to simulate and predict human motions and behaviour, we have been able to cover the gap satisfying exactly such industry need.





WHY IT IS IMPORTANT FOR SOCIETY

Healthy and safe working conditions for workers with positive impact on efficiency in the manufacturing operations is the key enabler of the success for European industry in competition with low cost countries de-localization. The D-HUMMER project outcome will also enable a more effective hybrid workplace design, boosting the possibility to introduce collaborative robotics in the operations.

“ Thanks to EIT we were able to implement inside IPS IMMA the EAWS ergonomic assessment, making IPS IMMA unique into the market”



MAIN RESULTS & INSIGHTS

-  • Early design of workplace and workcycle considering an holistic ergonomic risk assessment method
-  • Hybrid workplace and workcycle innovative design method
-  • Cost and time savings
-  • Quality assurance



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IPS PRODUCT SUITE
D-HUMMER project
AIM: Implementation inside IPS IMMA
of EAWS enhanced ergonomic
assessment