

30 years of innovation

MAR 2017



Engineering Life Wear

ICC – Indústrias e Comércio de Calçado (Footwear Industries and Trade)

1. Founded in 1986, in Guimarães.
2. It is dedicated to the production and commercialization of professional footwear, men's or women's, for the most diverse sectors of activity.
3. It has four brands (Lavoro, No Risk, Portcal and Go Safe).
4. It owns a distribution company in Germany.
5. Spain, Germany, the United Kingdom, Benelux, Switzerland, Mongolia, Qatar, Oman, the United Arab Emirates, Nigeria, Egypt and Zambia, for example, are among the top destinations of its more than 70 references.
6. It exports 80% of production to more than 50 markets.
7. It holds 18 public utility registers and 30 years of continuous innovation.
8. It has a turnover of more than €12 million.



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LAVORO, 30 years of innovation

1. A brand of professional footwear for various sectors of activity: electronics, transportation, hospital, construction, mining, agriculture, logistics, metallurgy, fire and **militarized forces**, among others.

2. Advanced technology, construction solutions, ergonomic design, innovative materials and design that constantly revolutionize safety, comfort, foot health protection and the aesthetics of professional footwear.

3. ICC-Lavoro is the only company in its sector with certification in Research, Development and Innovation (IDI).

4. Lavoro's range of **military boots** is an example of its constant innovation strategy, proven by several armies and the Portuguese Air Force.



Defender



Fénix



Brigada Lusa



Paratrooper Black



Paratrooper Coyotte

30 years of innovation



Through the inclusion of an insulating layer of cork between the sole and the insole, **CLIMA CORK SYSTEM** regulates the heat and cold inside the footwear, gives an extra comfort and contributes to the reduction of fatigue, benefiting the uniform distribution of the weight on the foot.



The **TOE BOX** is made of tough, lightweight composite materials with a high energy absorption capacity and is a toe cap with an exceptional "memory capacity": it allows the original shape to be quickly recovered after temporary deformation, caused by impact or compression.



The **RESPONSIVE SHOCK ABSORPTION (RSA)** system revolutionizes shoe shock absorption. With an open impact zone and extra cushioning, it makes footwear more comfortable and the act of walking easier and enjoyable.



Resulting from studies in the field of podiatry, the **3D VARIO** is a unique system in the world, which allows you to correctly fit feet of the same length but with different volumes.



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30 years of strategic partnerships for innovation

ICC - Lavoro is one of the founding members of **CTCP** (Centro Tecnológico do Calçado de Portugal).

It has a close relationship with **CITEVE**, of which it has been a member since 2008.

It regularly develops research projects in partnership with the **Universities of Minho and Coimbra**, the **ADAI**-Center for Forest Fire Studies (CEIF), as well as with the Guimarães Institute of Design, the Institute of Biomechanics of Valencia (**IBV**) and **UMANA** - Center for Biomechanical Analysis (Galicia).

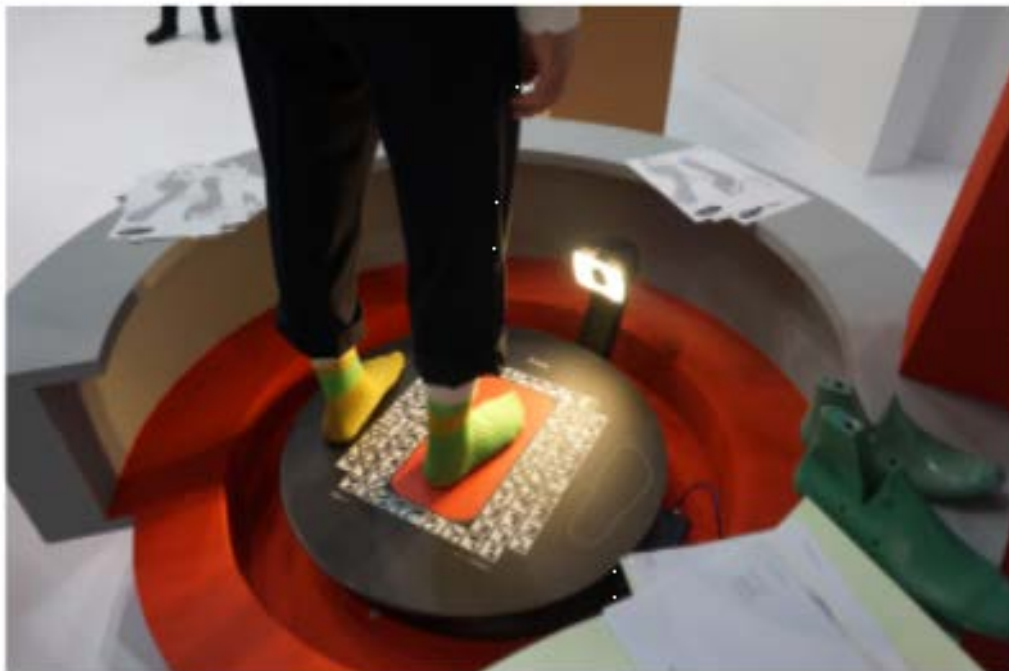
It is also a member of **SATRA** and **PFI**.



FÉNIX. An innovative boot, which has proven to be capable of saving lives. The Fénix boot, developed in partnership with ADAI, helps to mitigate the cases in which firefighters put their physical integrity at risk by using professional footwear unsuitable for the extreme conditions they face in forest fires.



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With the help of technology such as Spodos Print (which portrays plantar impression) and Spodos 3D (which depicts foot volumetry), SPODOS has carried out a foot characterization work in order to advise the best technical solutions.

Strategic partnership in the development of the **MILITARY FOOTWEAR OF THE FUTURE**

As the podological risks of a soldier are exponentially higher than those of a professional from another area and as the challenges of his missions demand cutting-edge technology, LAVORO counts on the support of **SPODOS – Foot Science Center**.

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