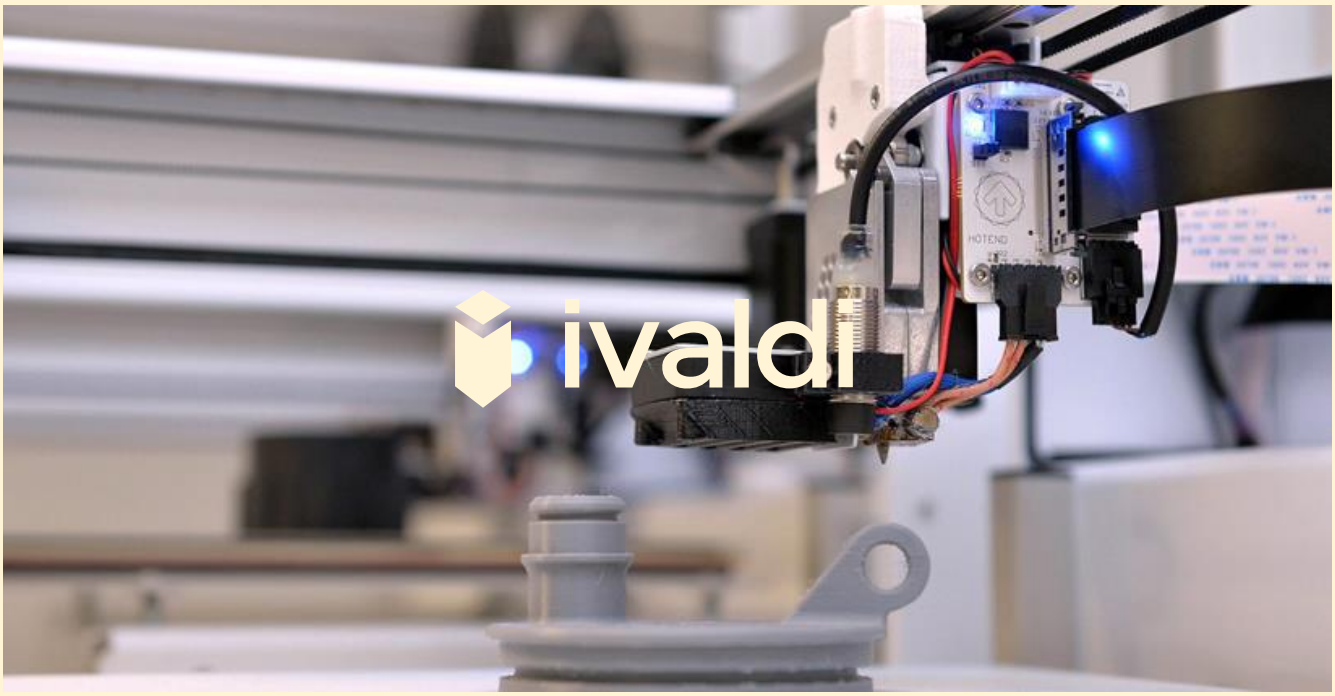
Ivaldi

Send files, not parts. Shaping the future of supply chains.



> Through partnerships with CSIR and Ivaldi, we are re-imagining long-established norms to help deliver enduring value to society. The ability to send files – not physical spare parts – will reduce our carbon footprint, delivery lead times, and logistics costs. Importantly, this has the clear potential to create industrial and service jobs for host communities and surrounding regions.

Matthew Chadwick, Head of Socio-Economic Development and Partnerships, Anglo American

About Ivaldi

Ivaldi Group's vision is to create a global spare parts supply chain; the right parts are manufactured on demand when and where needed, saving costs, time and carbon footprint while providing safe and durable parts. Ivaldi offers a software and service suite including analytics, digitization and certification of inventory, a digital library/warehouse as well as a network of qualified print partners. Ivaldi is building a more sustainable future for supply chains by reducing the need for inventory, warehouse storage, material waste and logistics. Ivaldi Group also includes Reverb Industrial Inc., holding unique additive manufacturing technologies.
ivaldi.com

Key information

Founded: **2016**
CEO: **Espen Sivertsen**
HQ: **San Leandro, US**
Impact theme: **Energy & resource efficiency**
Industry: **Supply chain**

Impact potential

5/5 | Impact-generating

SDG targets contribution

Net impact score

+5 % | + 91 %[1]

1. Applying Norselab custom value set mapped to SDGs

Ivaldi

Sustainability challenges

Excess production

While production planning is often based on a solid forecast using historical values and experience, the demand for spare parts is linked to unforeseen circumstances like machine breakdowns. Spare parts production is therefore challenging for manufacturers. Moreover, products often go through changes or redesigns, and so do the equipment used to make their spare parts. Manufacturers typically address this challenge through excess spare parts production prior to demand. This results in a surplus of parts in storage, additional use of polluting transport systems and material resources waste.

Supply chain vulnerability

Supply chain disruptions are an increasing challenge and may now be slowing the pace of economic recovery after Covid-19. According to the Hubs Supply Chain Resilience report, 75 percent of US companies have experienced external disruptions to their manufacturing supply chain in the past year. Spare parts have often been an overlooked component of supply chain resilience, yet a single part may be the decisive factor in whether a power station supplies a region with energy or a lung ventilator is operative or not.

Theory of change

Keeping spare parts in inventory could become a thing of the past. Ivaldi's vision is to disrupt the global spare parts supply chain by ensuring the right parts are manufactured locally on-demand when needed while providing safe and durable parts. Digital distribution and on-demand production of parts have the potential to disrupt physical distribution, resulting in faster, more cost-efficient and environmentally-friendly procurement, of parts, benefitting manufacturers and end-users alike.

Target 9.4

Target 12.5

Target 8.5

1 650

Unique parts digitized

2,8 million

Parts analyzed

From 2022 onwards

Jobs created in host communities