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America 'Needs Thousands Of Blue-Collar Workers To Manufacture Our AI Future' - Electricians, Welders & HVAC Technicians 'Are In Short Supply As Data Center Spending Hits \$700 Billion'

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The future of Artificial Intelligence (AI) may depend less on coders than on Construction Workers, Electricians and Factory Technicians. Tech companies are pouring money into new AI Data Centers at an astounding clip, with Alphabet, Microsoft, Meta and Amazon expected to spend roughly \$700 billion this year alone. And that doesn't include the costs of grid modernization and semiconductor capacity. But those ambitions keep running into the same problem - there aren't enough Skilled Workers to build the infrastructure that will power the AI economy. By one estimate, the United States will need 140,000 additional Skilled Trades Workers like Electricians, HVAC Technicians, Welders and Construction Workers by 2030 to support AI infrastructure. How will we meet that demand? The answer may lie across the Atlantic - in Switzerland, whose Apprenticeship System has helped build one of the world's most innovative economies. And it's achieved this by creating clear pathways into skilled technical careers for generations of young people. At a moment when America's AI ambitions are colliding with labor shortages, a Swiss-style model may offer exactly the kind of workforce pipeline the U.S. needs. Switzerland's Vocational Education and Training System allows students as young as 15 to apprentice at companies across the country. These young people gain hands-on experience in the workplace while also developing industry-specific skills in the classroom.

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