

CAIDIO

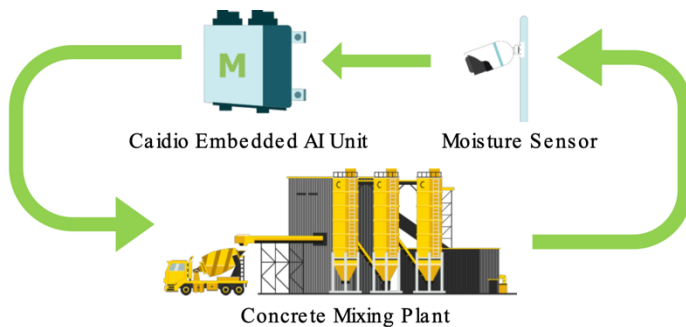
CONCRETE INTELLIGENCE

Concrete is the most used material in the world, and the usage of it keeps increasing due to the accelerating global urbanization. In the coming three decades alone, more cities and infrastructure will be built than in the past hundred years. 60% of the worldwide concrete construction takes place in China. Today, concrete production is the source of roughly 8% of all the CO2 emissions worldwide.

| Sensor Fusion + AI |

Caidio's solution is a combination of artificial intelligence-based software, data analytics and modern IoT-sensors.

| Water Content Optimizer |



Accurately measured moisture in aggregates allows the concrete producer to optimize strength, durability, and shrinkage of concrete products without overdosing cement and increasing the cost of production and CO2 emissions.

| Raw Material Inspection |

Caidio's AI-solution can detect the type of aggregate on the conveyor belt in any moment, judge its grain size, and whether foreign objects are contained. Smart machine vision techniques can also detect the volume of aggregates being used in producing concrete, so that the whole productivity of the plant can be calculated out.

WHO WE ARE

- ✓ Award-winning construction technology startup founded in 2018
- ✓ Headquartered in Finland, with a strong focus in global growth markets
- ✓ Provides one-stop AI solutions for the concrete industry
- ✓ Products for optimizing the quality of ready-mixed concrete and assuring the quality of aggregates

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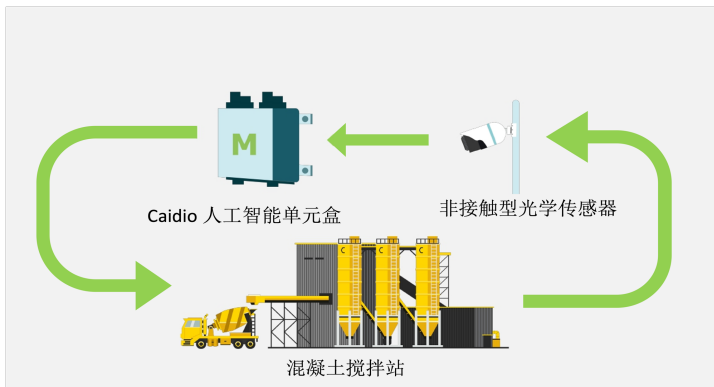
混凝土智能解决方案

混凝土是最常用的材料，随着全球城市化进程的加快，混凝土的用量还在持续增长。仅在过去的三十年里，人类所建造的城市和基础建设，就超过了之前一百年的总和。全球 60% 的混凝土建造发生在中国。如今，混凝土生产中所产生的碳排放占全球碳排放的 8%。

| 传感器+AI |

凯缇公司将物联网传感器和人工智能软件、数据分析系统相结合，对原材料和混凝土的生产进行实施监控。

| 砂石含水量的检测 |



准确测量骨料中的水分可以优化混凝土产品的强度、耐久性和收缩性，而不会过量使用水泥，从而帮助生产商节省成本、优化品质、减少碳排放。

| 原材料的检测 |

检测和判断传送带上实时传输的原材料的类别、颗粒度大小、是否含有各种异物，同时精确计算出原材料用量，准确推算出企业总产量。

我们是谁？

- ✓ 成立于 2018 年
- ✓ 总部位于芬兰，致力于全球市场
- ✓ 被评为建筑和科技生态系统最有发展前景的全球前 50 名初创企业
- ✓ 为混凝土行业提供人工智能一站式方案
- ✓ 确保原材料品质，优化混凝土产品

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