

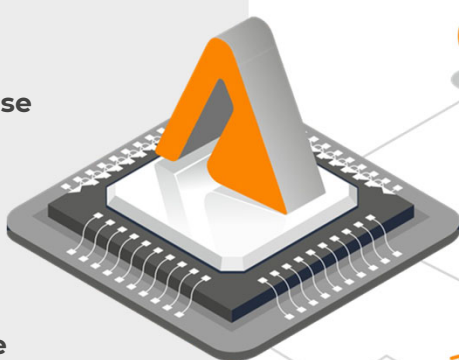


## About AIcrete

**Mission: Significantly Increase Concrete Operations**

- Profitability
- Sustainability
- Efficiency
- Productivity


By harnessing AI & Software



**Reduce Mix Design Cost by \$1.00 to \$6.00 per Cu Yd**

**Reduce GWP CO<sub>2</sub> eq by 20-85 lb per Cu Yd**

**Your All-In-One AI-Powered Platform**




# POC

## SUMMARY

- **14 completed POCs in 10 states**
- **41 lb per cu yd** average reduction in GWP CO<sub>2</sub>
- **22,855 tons/yr. of CO<sub>2</sub>**
  - 4,614 gasoline-powered passenger vehicles driven for one year
  - 2,613 homes' energy use for one year
  - 2M+ gallons of diesel consumed
  - 24,725 acres of US forest per year sequestration
- **1,100,000 cu yd** of concrete represented
- **\$2,900,000** savings
- Average savings **\$2.64 per cu yd**

\* <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator#results>

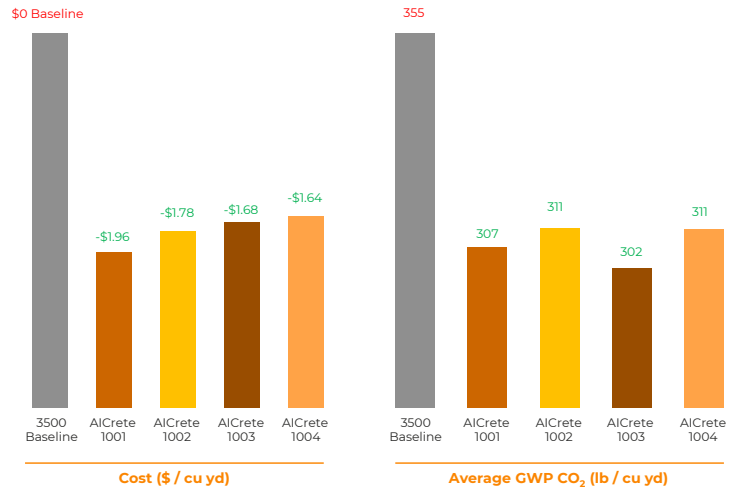


## Case Study: RMX Residential 3,500 psi

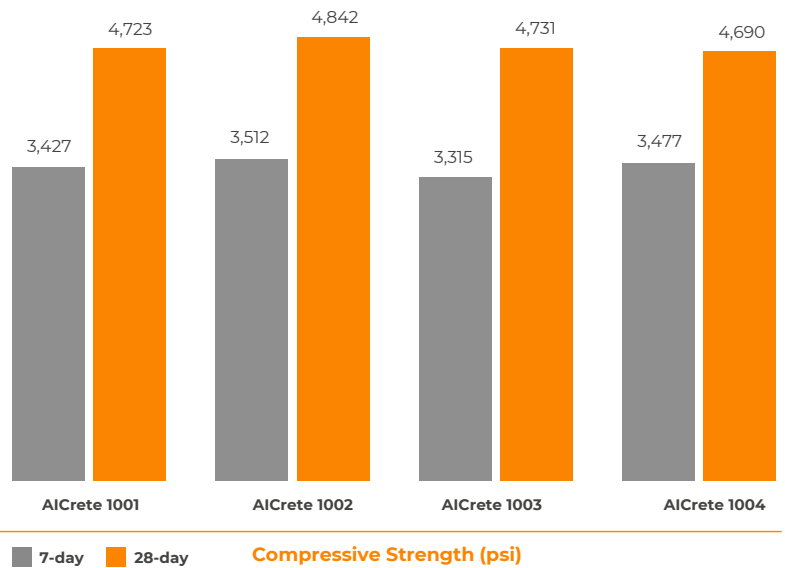
### Customer defined objectives:

- Lower cost & GWP CO<sub>2</sub> eq
- Slump of 3 to 5 inches
- 28-day minimum compressive strength of 4,300 psi
- No constraints defined for W/CM

### AlCrete's mixture solutions:



## Strengths: RMX Residential 3,500 psi

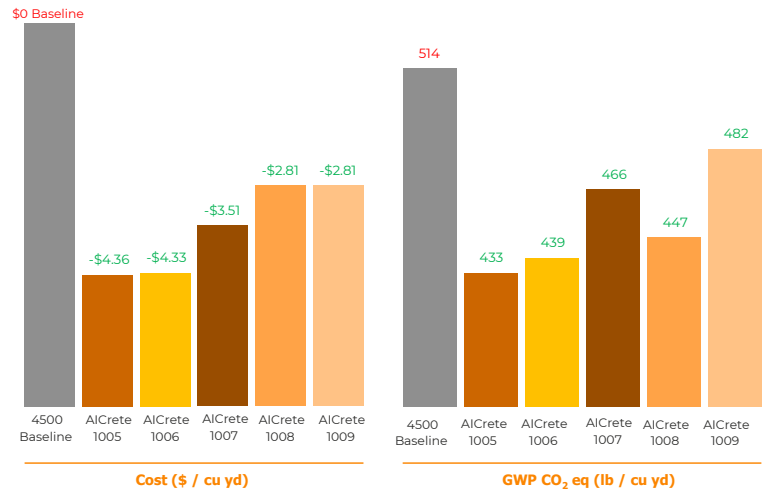


## Case Study: RMX Commercial 4,500 psi

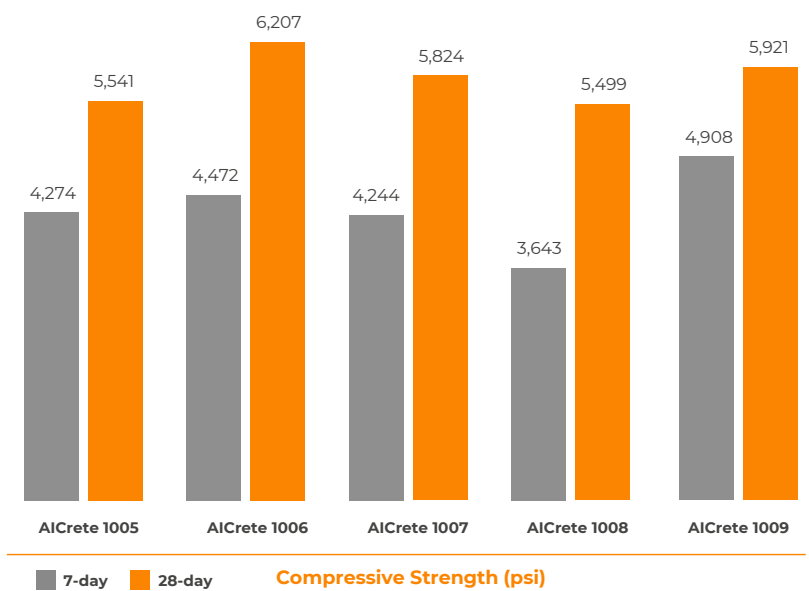
### Customer defined objectives:

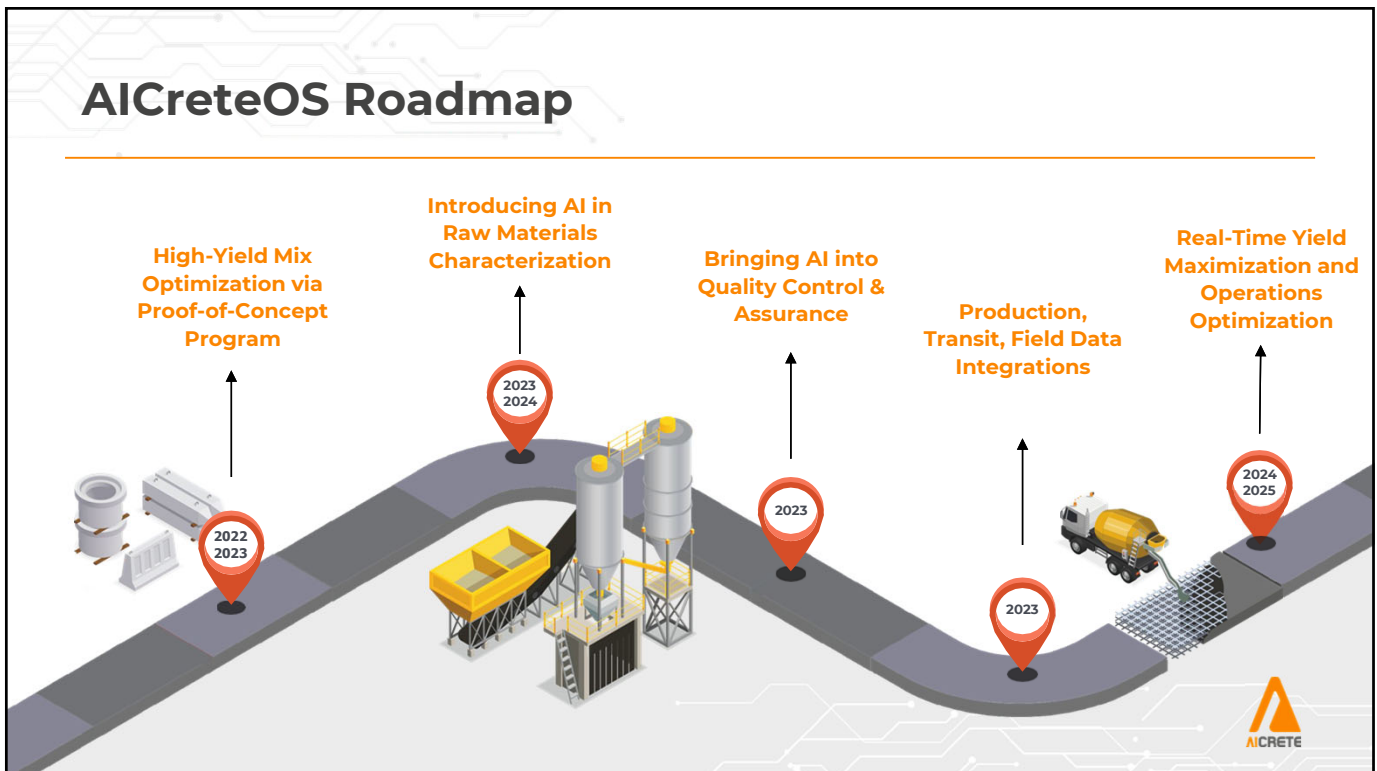
- Lower cost & GWP CO<sub>2</sub> eq
- Slump of 3 to 5 inches
- 28-day minimum compressive strength of 5,400 psi
- W/CM ratio of less than or equal to 0.45
- Minimum total cementitious materials of 611 lb per cu yd

### AICrete's mixture solutions:



## Strengths: RMX Commercial 4,500 psi





## Q & A | Contact



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**AICRETE**



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**Thank You!**