

# Cadiz, Lemon Orchards

Automation – Optimize  
Production Remotely



<b>Project Name</b>	Cadiz
<b>Country</b>	Cadiz is located in the Mojave Desert in San Bernardino County of California, United States.
<b>General Description</b>	<ol style="list-style-type: none"> <li>1. Leading Subject: Automation - Optimize production remotely.</li> <li>2. Size: 640 acres/19 blocks = 40 acres per block</li> <li>3. Type &amp; Crop: Lemon Orchards</li> <li>4. Irrigation Method: Micro-Sprinklers</li> <li>5. Water quality &amp; Source: Cadiz Aquifer</li> <li>6. Inlet/Pumping Pressure: 40 psi</li> <li>7. Flow data: 800gpm per 40 acres block</li> </ol>
<b>Installation Date</b>	New Installation, 2016
<b>BERMAD Solution</b>	<p>BIC2500 Controller, Davis Weather Station, 64 - Soil Moisture Sensors, 8" Turbo-Bar Water Meters, 8" 400 Series Pressure Reducing &amp; Sustaining Control Valves, 6" 100 Series Pressure Reducing Control Valves, 2" Combination Air Valves.</p> <p>Project USD value: 125,000US\$</p>
<b>Project Story</b>	<p>The area of Cadiz sits on USA largest aquifer (17-34 M. Acre Feet of farming water). Due to the area's isolation it is difficult to find labor &amp; manage a farm. Through the use of Bermad Comprehensive Irrigation Control &amp; Management System enables farmer to remotely plan their irrigation, to produce the maximum yield possible &amp; for see extreme weather conditions (heat &amp; frost) before damage is caused to their tree's and adjust their irrigation programming.</p>