

# Irrigazione 4.0

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- Sistema di irrigazione autonomo per grandi superfici
- Ottimizzare il processo di irrigazione
- Gestione delle differenti condizioni climatiche
- Consumo idrico
- Consumo energetico



- Soluzione cloud based
- Dispositivo industriale sul campo che esegue gli algoritmi di controllo
- Grandi distanze tra i sensori ed il controllore
- Multiplatforma
- Facilmente customizzabile



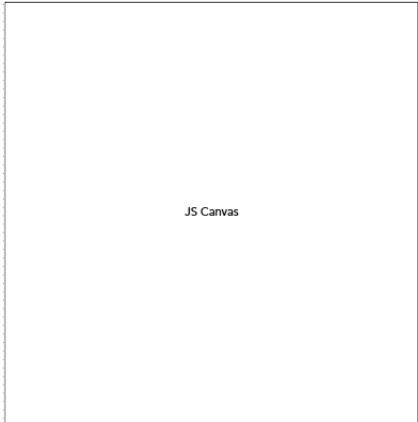
- Sensoristica con interfacciamento 4G verso un database cloud
- HMI con architettura edge – web
- PLC integrato
- Contenitore Javascript
- RESTfull API per interfacciamento con il web

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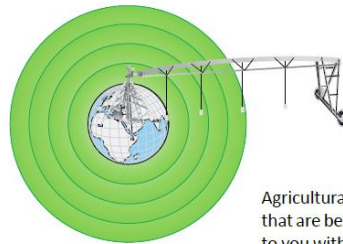
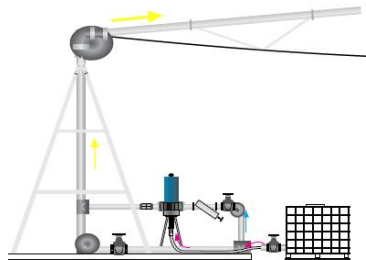
1 // Store the API context
2 const ctx = param1.canvasContext;
3 var context = param1.context;
4 // Create a new canvas
5 // HTML canvas object
6
7 /* ----- */
8 /* ----- VARIABLES ----- */
9 /* ----- */
10 let canvas = canvas.getContext('2d');
11 let width = canvas.width;
12 let height = canvas.height;
13 //let width = this.widget.width; // Width of the canvas
14 //let height = this.widget.height; // Height of the canvas
15 // The radius = 50 // Diameter of the globe
16 let dots = []; // Array to store the dots
17
18 /* ----- */
19 /* ----- CONSTANTS ----- */
20 /* ----- */
21 // Some of these constants may change if the user resizes their screen by
22 const DOTS_RADIUS = 300; // Diameter of the screen
23 const DOT_RADIUS = 8; // Radius of the dots
24 let GLOBE_RADIUS = width * 0.5; // Radius of the globe
25 let GLOBE_CENTER_X = GLOBE_RADIUS; // X value of the globe center
26 let GLOBE_CENTER_Y = width * 0.5; // Y value of the globe center
27 // let GLOBE_CENTER_X = height * 0.5; // Center of the canvas min
28 let GLOBE_CENTER_Y = width * 0.5;
29
30 class Dot {
31   constructor(x, y, r) {

```

JS Canvas



- UI responsive
- Multiplatforma
- Programmazione Javascript
- PLC standard IEC 61131
- Galleria di widget SVG customizzabile
- Forecast meteorologico
- Flessibilità



Agricultural irrigation systems are our main job. The irrigation systems that are being produced in Turkey for the first time are being presented to you with an expert cadre that has worked in this field for long years.