**Overview:** Constructed in 2012, this system was designed to produce domestic hot water for the hospital as well as to help preheat the existing system. Consisting of 80 Apricus AP-30 Evacuated Tube Collectors, the collectors sit on top of the building, stretching across the roof. Designed to handle the building’s total hot water consumption, the system has one 5,000 liter tank, one 3,000 liter tank, pumps, pipes, heat exchangers, and a controller which was installed to monitor the system’s performance.

**Project Description:**
- **Property Name:** Bralia County Emergency Hospital, Pavilion A
- **Location:** Bralia, Romania
- **System Type:** Domestic Hot Water
- **Array Size:** 80 Apricus AP-30 Collectors

**Apricus APSE-30:**

**Physical Specifications:**
- **Dimensions:** 2.0m x 2.2m / 78.9” x 86.4”
- **Aperture Area:** 2.98m² / 32.05ft²
- **Gross Area:** 4.15m² / 44.76ft²
- **Gross Dry Weight:** 95kg / 209lb
- **Fluid Capacity:** 710ml / 24 fl oz
- **Max Pressure:** 800kPa / 116psi

**Materials of Construction:**
- **Evacuated Tubes:** Borosilicate 3.3. Glass
- **Absorber Coating:** Aluminum Nitrate
- **Heat Pipes:** High Purity Copper
- **Mounting Frame:** 439 Stainless Steel
- **Manifold Casing:** 5005-H16 Anodized Aluminum

**Warranty:**
- **Manifold & Frame:** 15 years
- **Tubes & Heat Pipes:** 10 years

**Contact Information:**
- **Apricus Europe:** Principala Street no 2
  Silistea, Bralia
  Romania
  T: +40-745-135-336

- **Cyclon Tech S.R.L.:**
  Str. Scollor Nr. 28
  BI D2, 810012 Bralia Romania
  T: +40 239 612 022