

12/3/2024

608-238-6001 [TEL]

greg@infinityturbine.com [Email]



primary-orc-products-by-infinity-turbine

Infinity Turbine
LLC

Primary ORC Turbines and Systems by
Infinity Turbine



This webpage QR code

Structured Data

```

<script type= "application/ld+json">
  { "@context": "http://schema.org",
    "@graph": [
      {
        "@type": "Organization",
        "@id": "https://infinityturbine.com/#organization",
        "name": "Infinity Turbine LLC",
        "url": "https://infinityturbine.com",
        "sameAs": [
          "https://www.youtube.com/channel/UCsobpvy0xqc13uvhA71Cv4w",
          "https://x.com/InfinityTurbine",
          "https://www.instagram.com/infinityturbine/"
        ],
        "telephone": "608-238-6001",
        "email": "greg@infinityturbine.com",
        "logo": "https://infinityturbine.com/logo.png"
      },
      {
        "@type": "WebSite",
        "@id": "https://infinityturbine.com",
        "url": "https://infinityturbine.com",
        "name": "Primary ORC Turbines and Systems by Infinity Turbine",
        "description": "Primary ORC Turbines and Systems by Infinity Turbine"
      },
      {
        "@type": "NewsArticle",
        "mainEntityOfPage": {
          "@type": "WebPage",
          "@id": "https://infinityturbine.com/primary-orc-products-by-infinity-turbine.html",
          "headline": "Primary ORC Turbines and Systems by Infinity Turbine",
          "image": "https://infinityturbine.com/images/infinity-turbine-radial-outflow-turbine-rot24.png",
          "datePublished": "2024-12-03T08:00:00+08:00",
          "dateModified": "2024-12-03T09:20:00+08:00",
          "author": {
            "@type": "Organization",
            "name": "Infinity Turbine LLC",
            "url": "https://infinityturbine.com"
          },
          "publisher": {
            "@type": "Organization",
            "name": "Infinity Turbine LLC",
            "logo": {
              "@type": "ImageObject",
              "url": "https://infinityturbine.com/logo.png"
            }
          }
        }
      }
    ]
  }
}</script>

```

Primary ORC Turbines and Systems by Infinity Turbine

PDF Version of the webpage (first pages)

<https://infinityturbine.com/primary-orc-products-by-infinity-turbine.html>

12/3/2024

ROT Radial Outflow Turbine Flat Pack Kit

Infinity Turbine is now offering ROT Radial Outflow Turbine parts for customer assembly.

We supply: machined parts.

You supply: Steel pipe for housing, Gruvlok couplings with gaskets, generator, electrical or sensors feed through fittings, assembly.

The Flat Pack is available for:

ROT 6: 1-5 kW. Price: \$3,000

ROT 12: IT10. 10 kW. Price: \$10,000

ROT 15: 10-30 kW. Price: \$20,000

ROT 24: IT50-IT250. 50-300 kW. Price: \$50,000

Shipping: Parts are crated for international shipment. Please email for freight costs and details.

12/3/2024

IT10 Waste Heat to Power System with ROT12 Radial Outflow Turbine DC Generator

10 kW System with the ROT12 Radial Outflow Turbine with DC Generator, specially crafted for the IT10 system.

This type turbine can be used for ORC or CAES (Compressed Air Energy Storage) up to 300 psi.

- IT10 System Plans and Turbine Generator Plans with unlimited production license: \$10,000 USD.
- Revenue potential from IT10 (24 hours x 365 days per year x 10 kWh = 87,600 kWh per year):
- At a rate of \$0.80 per kWh, earn \$70,080 USD annually.

Unlock the Power of Waste Heat with the Infinity Turbine IT50 System DC or AC Power Generation at Your Fingertips

The IT50 is designed to produce 50 kW of AC power (typically configured for a Grid-Tie connection). We have produced several IT50 systems in the past few years. They take about 6 months to complete, and can be shipped in a standard 20 ft. shipping container. Built yourself with your machine shop or assemble components via subcontractors.

This type turbine can be used for ORC or CAES (Compressed Air Energy Storage) up to 300 psi.

Design Heat Exchangers ASME Rated Pressure - Evaporator R-245fa: 450 psi at 300 F shell side, and 150 psi 300 F on tube side. Welding procedures included. Condenser R-245fa: 450 psi at 250 F shell side, and 150 psi 250F on tube side.

Turbine may be used most efficiently at 50 kW, but may also be used for a range of turbines from 30 kW to over 100 kW.

New nano additives can increase heat exchanger efficiency.

Revenue based on gross sales or savings, not including cost of acquiring waste heat flow or pumps.

Revenue from IT50 (24 hours x 365 days per year x 50 kWh = 438,000 kWh per year):

- \$.20 per kWh = \$87,600 USD per year
- \$.50 per kWh = \$219,000 USD per year
- \$1.00 per kWh = \$438,000 USD per year

Add the [Salgenx salt water battery](https://salgenx.com) storage for added savings and USA based tax credits.

IT250 ROT ORC Empowering Sustainable Energy Generation with a 250-300 kW Waste Heat to Energy System

Introducing the IT250, a high-performance system engineered to generate 250 kW of net AC power, commonly configured for a Grid-Tie connection. We have successfully developed a single IT250 system, which typically takes approximately 6-12 months to complete. For convenient transportation, the system can be shipped in an open top 20 ft. shipping container.

To ensure top-notch quality, we collaborate with a trusted sub-contractor based in Toronto, Canada, specializing in constructing ASME certified pressure tested heat exchangers. This partnership enables us to deliver the IT250 system to any location worldwide, ensuring reliability and customer satisfaction.

Revenue based on gross sales or savings, not including cost of acquiring waste heat flow or pumps.

Revenue from IT250 (24 hours x 365 days per year x 250 kWh = 2,190,000 kWh per year):

- \$.20 per kWh = \$438,000 USD per year
- \$.40 per kWh = \$876,000 USD per year
- \$.80 per kWh = \$1,752,000 USD per year

Add the [Salgenx salt water battery](https://salgenx.com) storage for added savings and USA based tax credits.

This type turbine can be used for ORC or CAES (Compressed Air Energy Storage) up to 300 psi.

Radial Outflow Turbine 3MW AC Generator ORC Power Pack in Shipping Containers

Infinity Turbine now has a megawatt ORC radial outflow concept turbine. Infinity is working on a concept design for a 3 MW ORC turbine generator system power pack.

This type turbine can be used for ORC or CAES (Compressed Air Energy Storage) up to 300 psi.

IT3MW Revenue based on gross sales or savings, not including cost of acquiring waste heat flow or pumps.

Revenue from IT3MW (24 hours x 365 days per year x 3000 kWh = 26,280,000 kWh per year):

at \$.20 per kWh = \$5,256,000 USD per year

at \$.40 per kWh = \$10,512,000 USD per year

at \$.80 per kWh = \$21,024,000 USD per year

IT3MW System Starting at: \$6 Million USD

System Pricing: Starting at \$2,000,000 per MW

Note: This ORC system works on solar thermal heat, or waste heat from industrial operations, or heat from engine generator sets.

Engineering Study: The first step in a large MW-class ORC system is a engineering study. The study fee can be deducted from the system price.

Coming Soon: Hydraulic Power Pack.
