

8.769 kW Italiaanse waterkrachtcentrales Portfolio HPP (RTB)





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Dit bedrijfsprofiel geeft een uitgebreid overzicht van een waterkrachtportfolio dat bestaat uit drie run-of-river-centrales. Het document richt zich op de technische specificaties, de omvang van het project en de financiële vooruitzichten.

Portfolio-overzicht

- **Type project:** De portefeuille bestaat uit drie stroomopwaartse waterkrachtcentrales die zich momenteel in de laatste goedkeurings- en bouwplanningsfase bevinden.
- **Totaal geïnstalleerd vermogen:** De gecombineerde capaciteit is 8.769 kW (8,77 MW).
- **Jaarlijkse energieproductie:** De centrales zullen naar verwachting ongeveer 50 miljoen kWh (50 GWh) per jaar produceren.
- **Stroomgebied:** Het project profiteert van een aanzienlijk stroomgebied van ongeveer 4.400 vierkante kilometer, gekenmerkt door gunstige jaarlijkse neerslagniveaus.

Technische specificaties

Elk van de drie centrales heeft een gestandaardiseerd technisch ontwerp en componenten van hoge kwaliteit om een efficiënte werking te garanderen.

- **Turbines:** Elke centrale is uitgerust met twee dubbel geregelde Kaplan-turbines.
- **Nominaal vermogen:** Elke turbine heeft een nominaal vermogen van 1.453 kW, in totaal ongeveer 2,923 MW per installatie.
- **Generatoren:** Het systeem gebruikt twee 1.560 kVA 3-fase synchrone generatoren per centrale.
- **Netaansluiting:** De eenheden worden aangesloten op het middenspanningsnet via speciale transformatoren van 1.700 kVA.
- **Besturingssystemen:** De fabrieken maken gebruik van PLC's (Siemens S7-1500) besturingseenheden, SCADA-systemen en VPN-gebaseerde afstandsbediening voor geoptimaliseerd beheer.

Projectstatus en vergunningen

TARGET PRICE
\$ 37,500,000

GROSS REVENUE
\$ 6,500,000

EBITDA
\$ 5,500,000

BUSINESS TYPE
Hernieuwbare energie

COUNTRY
Italië

BUSINESS ID
L#20261015

- **Milieu- en productievergunningen:** Milieueffectbeoordelingen en vergunningen voor energieopwekking zijn al afgerond.
- **Water- en bouwvergunningen:** Waterwinningsvergunningen en de definitieve bouwvergunning (uitgebreide vergunning) zullen naar verwachting medio 2025 worden afgerond.
- **Netintegratie:** Er zijn voorbereidende gesprekken gestart met de primaire netbeheerder, met aansluitpunten in de onmiddellijke nabijheid van de locaties.

Financiële en investeringscijfers

- **EBITDA:** Geschat op ongeveer €5,0 miljoen.
- **Teruglevertarief:** 110 € per MW onder de huidige tariefstructuur (FER-X).
- **Genivelleerde energiekosten (LCOE):** 0,1026 €/kWh.

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