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COMPANY EXPERIENCES

1. ADIPASIR SATU HYDROPOWER PROJECT

PROJECT FEATURES

Location:	Banjarnegara, Central Java, Indonesia
Net head:	5.45 m
Design discharge:	7.69 m^3/s
Installed capacity:	340 kW
Turbine type:	Vertical axis Kaplan

COOPERATED FIRMS

Project owner:	PT Daya Tirta Banjarnegara
Associated consultant:	PT Naluritama Engineering & Construction

SERVICES

Scope of services:	Feasibility study, basic design, detailed design, construction assistance
Year:	2011 – present

2. ADIPASIR DUA HYDROPOWER PROJECT

PROJECT FEATURES

Location:	Banjarnegara, Central Java, Indonesia
Net head:	5.45 m
Design discharge:	7.69 m^3/s
Installed capacity:	340 kW
Turbine type:	Vertical axis Kaplan

COOPERATED FIRMS

Project owner:	PT Daya Tirta Banjarnegara
Associated consultant:	PT Naluritama Engineering & Construction

SERVICES

Scope of services:	Feasibility study, basic design, detailed design, construction assistance
Year:	2011 – present

3. ADIPASIR TIGA HYDROPOWER PROJECT

PROJECT FEATURES

Location:	Banjarnegara, Central Java, Indonesia
Net head:	6.00 m
Design discharge:	6.40 m^3/s
Installed capacity:	320 kW
Turbine type:	Vertical axis Kaplan

COOPERATED FIRMS

Project owner:	PT Daya Tirta Banjarnegara
Associated consultant:	PT Naluritama Engineering & Construction

SERVICES

Scope of services:	Feasibility study, basic design, detailed design, construction assistance
Year:	2011 - 2012

4. Kincang Hydropower Project

Project Features

Location:	Banjarnegara, Central Java, Indonesia
Net head:	5.00 m
Design discharge:	8.29 m^3/s
Installed capacity:	320 kW
Turbine type:	Vertical axis Kaplan

Cooperated Firms

Project owner:	PT Naluri Energi Utama
Associated consultant:	PT Satyakarsa Mudatama

Services

Scope of services:	Feasibility study, basic design, detailed design, construction assistance
Year:	2011 - 2012

5. Singgi Hydropower Project

Project Features

Location:	Banjarnegara, Central Java, Indonesia
Net head:	8.25 m
Design discharge:	3.25 m^3/s
Installed capacity:	220 kW
Turbine type:	Vertical axis Kaplan
Penstock length:	14.2 m

Cooperated Firms

Project owner:	PT Naluri Energi Utama
Associated consultant:	PT Satyakarsa Mudatama

Services

Scope of services:	Feasibility study, basic design, detailed design, construction assistance
Year:	2011 - 2012

6. Sunyalangu Hydropower Project

Project Features

Location:	Banyumas, Central Java, Indonesia
River:	Logawa
Net head:	59.65 m
Design discharge:	1.60 m^3/s
Installed capacity:	2 × 760 kW
Turbine type:	Horizontal axis Francis
Headrace channel:	464.2 m
Penstock length:	188.2 m

Cooperated Firms

Project owner:	PT Naluri Energi Utama
Associated consultant:	PT Satyakarsa Mudatama

Services

Scope of services:	Feasibility study, basic design, detailed design, construction assistance
Year:	2011 – present

7. Baseh Hydropower Project

Project Features

Location:	Banyumas, Central Java, Indonesia
River:	Logawa
Net head:	67.24 m
Design discharge:	3.44 m^3/s
Installed capacity:	2 × 930 kW
Turbine type:	Horizontal axis Francis
Headrace channel:	1023.3 m
Penstock length:	528.9 m

Cooperated Firms

Project owner:	PT Rumeksa Power

Services

Scope of services:	Feasibility study, basic design, detailed design, construction assistance
Year:	2011 - present

8. Babakan Hydropower Project

Project Features

Location:	Banyumas, Central Java, Indonesia
River:	Logawa
Net head:	47.8 m
Design discharge:	3.50 m^3/s
Installed capacity:	2 × 670 kW
Turbine type:	Horizontal axis Francis
Headrace channel:	732.4 m
Penstock length:	275.1 m

Cooperated Firms

Project owner:	PT Rumeksa Power

Services

Scope of services:	Feasibility study, basic design, detailed design, construction assistance
Year:	2011 - present

9. Banjaran Hydropower Project

Project Features

Location:	Banyumas, Central Java, Indonesia
River:	Banjaran
Net head:	68.25 m
Design discharge:	4.00 m^3/s
Installed capacity:	2 × 1100 kW
Turbine type:	Horizontal axis Francis
Headrace channel:	1655.2 m
Penstock length:	151.9 m

Cooperated Firms

Project owner:	PT Rumeksa Power

Services

Scope of services:	Feasibility study, basic design, detailed design, construction assistance
Year:	2011 - present

10. Ambal Hydropower Project

Project Features

Location:	Banjarnegara, Central Java, Indonesia
River:	Urang
Net head:	79.50 m
Design discharge:	3.27 m^3/s
Installed capacity:	2 × 1050 kW
Turbine type:	Horizontal axis Francis
Headrace channel:	1259.9 m
Penstock length:	473.4 m

Cooperated Firms

Project owner:	PT Nureco Tirta Banjarnegara
Associated consultant:	PT Naluritama Engineering & Construction

Services

Scope of services:	Feasibility study, basic design, detailed design, construction assistance
Year:	2011 - present

11. Sambirata Hydropower Project

Project Features

Location:	Banyumas, Central Java, Indonesia
River:	Prukut
Net head:	137.56 m
Design discharge:	1.35 m^3/s
Installed capacity:	2 × 750 kW
Turbine type:	Horizontal axis Pelton
Headrace channel:	1158.3 m
Penstock length:	605.8 m

Cooperated Firms

Project owner:	PT Rumangsa Energi Banyumas Utama
Associated consultant:	PT Naluritama Engineering & Construction

Services

Scope of services:	Feasibility study, basic design, detailed design, construction assistance
Year:	2011 - present

12. Cicatih Hydropower Project

Project Features

Location:	Sukabumi, West Java, Indonesia
River:	Cicatih
Net head:	25.55 m
Design discharge:	30.00 m^3/s
Installed capacity:	2 × 3200 kW
Turbine type:	Vertical axis Kaplan
Headrace channel:	2306.7 m
Penstock length:	44.9 m

Cooperated Firms

Project owner:	PT Bias Petrasia Persada
Associated consultant:	PT Naluritama Engineering & Construction

Services

Scope of services:	Feasibility study, basic design, detailed design, construction assistance
Year:	2011 - present

13. Lae Ordi 2 Hydropower Project

Project Features

Location:	Pakpak Barat, North Sumatera, Indonesia
River:	Lae Ordi
Net head:	100.02 m
Design discharge:	9.50 m^3/s
Installed capacity:	2 × 3800 kW
Turbine type:	Horizontal axis Francis
Headrace channel:	3266.9 m
Penstock length:	561.6 m

Cooperated Firms

Project owner:	PT Bakara Bumi Energi
Associated consultant:	PT Wiratman & Associates

Services

Scope of services:	Basic design, detailed design
Year:	2011

14. Tornauli Hydropower Project

Project Features

Location:	Humbang Hasundutan, North Sumatera, Indonesia
River:	Simonggo
Net head:	85.21 m
Design discharge:	11.50 m^3/s
Installed capacity:	2 × 4000 kW
Turbine type:	Horizontal axis Francis
Headrace channel:	2522.2 m
Penstock length:	727.7 m

Cooperated Firms

Project owner:	PT Northsum Hydro

Services

Scope of services:	Topographic survey, geological investigations, feasibility study and detailed design
Year:	2011 – present

15. nambadia Hydropower Project

Preliminary Project Features

Location:	Humbang Hasundutan, North Sumatera, Indonesia
River:	Simonggo
Net head:	66.36 m
Design discharge:	18.60 m^3/s
Installed capacity:	2 × 4950 kW
Turbine type:	Horizontal axis Francis
Headrace channel:	1862.8 m
Penstock length:	251.1 m

Cooperated Firms

Project owner:	PT Northsum Hydro

Services

Scope of services:	Feasibility study, basic design
Year:	2011 – present

16. Parduaan Hydropower Project

Preliminary Project Features

Location:	Humbang Hasundutan, North Sumatera, Indonesia
River:	Simonggo
Net head:	123.40 m
Design discharge:	10.00 m^3/s
Installed capacity:	2 × 5000 kW
Headrace channel:	2550 m
Penstock length:	520 m

Cooperated Firms

Project owner:	PT Northsum Hydro

Services

Scope of services:	Feasibility study
Year:	2011 – present

17. Pusuk Hydropower Project

Preliminary Project Features

Location:	Humbang Hasundutan, North Sumatera, Indonesia
River:	Sisira
Net head:	180 m
Design discharge:	4.63 m^3/s
Installed capacity:	2 × 3110 kW
Headrace channel:	1200 m
Penstock length:	591 m

Cooperated Firms

Project owner:	PT Northsum Hydro

Services

Scope of services:	Feasibility study
Year:	2011 – present

18. Air Meo Hydropower Project

Project Features

Location:	Muaraenim, South Sumatera, Indonesia
River:	Air Meo
Net head:	26.53 m
Design discharge:	13.00 m^3/s
Installed capacity:	2 × 1350 kW
Turbine type:	Horizontal axis Kaplan
Headrace channel:	576.6 m
Penstock length:	506.1 m

Cooperated Firms

Project owner:	PT Ulu Enerindo Jaya
Associated consultant:	PT Naluritama Engineering & Construction

Services

Scope of services:	Feasibility study, basic design, detailed design, construction assistance
Year:	2011 – present

19. 8 Hydropower Projects in West Java and Banten

Preliminary Project Features

Scheme:	Cibalapulang 1	Cibareno	Cileteuh	Cisereuh	Cisiih Leutik	Cisimeut	Curug Citambur	Curug Malela
Location:	Cianjur	Lebak	Sukabumi	Sukabumi	Lebak	Lebak	Cianjur	West Bandung
River:	Cibalapulang	Cibareno	Cileteuh	Cisereuh	Cisiih	Cisimeut	Citambur	Malela
Net head (m):	92.3	51.3	187.6	65.5	190.2	61.4	123.0	53.8
Design discharge (m^3/s):	15.5	7.1	1.2	3.9	1.1	6.6	0.75	7.5
Installed capacity (MW):	11.5	2.9	1.8	2.1	1.7	3.3	0.62	3.2
Headrace channel (m):	982	1471	2659	1500	3750	1300	20	50
Penstock length (m):	420	596	250	135	1850	300	115	320

Cooperated Firms

Task owner: PT Medco Power Indonesia
Associated consultant: PT Naluritama Engineering & Construction

Services

Scope of services: Due diligence
Year: 2011

20. Palumbungan Hydropower Project

Project Features

Location: Purbalingga, Central Java, Indonesia
River: Klawing
Net head: 40.98 m
Design discharge: 4.00 m^3/s
Installed capacity: 2 × 660 kW
Turbine type: Horizontal axis Francis
Headrace channel: 142.5 m
Penstock length: 867.9 m

Cooperated Firms

Project owner: PT Purbalingga Energi

Services

Scope of services: Feasibility study, basic design, detailed design, construction assistance
Year: 2011 - present

21. Jayamukti Hydropower Project

Preliminary Project Features

Location: Garut, West Java, Indonesia
River: Cisanggiri
Net head: 126.9 m
Design discharge: 6.4 m^3/s
Installed capacity: 7.0 MW
Headrace channel: 2660 m
Headrace tunnel: 930 m
Penstock length: 980 m

Cooperated Firms

Project owner: PT Naluri Energi Utama

Services

Scope of services: Pre feasibility study
Year: 2011 – 2012

22. Malabar Hydropower Project

Preliminary Project Features

Location:	South Bandung, West Java, Indonesia
River:	Cilaki
Net head:	108.8 m
Design discharge:	0.9 m^3/s
Installed capacity:	800 kW
Turbine type:	Horizontal axis Francis
Headrace channel:	10 m
Headrace tunnel:	1530 m
Penstock length:	260 m

Cooperated Firms

Project owner:	PT Trimulia Makmur Sejati
Associated consultant:	PT Naluritama Engineering & Construction

Services

Scope of services:	Pre feasibility study
Year:	2012

23. Panyairan Hydropower Project

Project Features

Location:	Garut, West Java, Indonesia
River:	Cibatarua
Net head:	180.7 m
Design discharge:	5.6 m^3/s
Installed capacity:	8.23 MW
Turbine type:	Horizontal axis Pelton
Headrace channel:	1405 m
Penstock length:	302 m

Cooperated Firms

Project owner:	PT Tirta Energindo

Services

Scope of services:	Topographic survey, geological investigations, feasibility study and detailed design
Year:	2012

24. Cibalapulang 1 Hydropower Project

Project Features

Location:	Cianjur, West Java, Indonesia
River:	Cibalapulang
Net head:	92.3 m
Design discharge:	15.5 m^3/s
Installed capacity:	11.5 MW
Turbine type:	Horizontal axis Francis
Headrace channel:	982 m
Penstock length:	420 m

Cooperated Firms

Project owner:	PT Bio Jatropha Indonesia

Services

Scope of services:	Design review
Year:	2012

25. Kerpap Hydropower Project

Project Features

Location:	Central Aceh, Aceh, Indonesia
River:	Wih Jambuair
Net head:	56.5 m
Design discharge:	4.7 m^3/s
Installed capacity:	2.25 MW
Turbine type:	Horizontal axis Francis
Headrace channel:	142 m
Penstock length:	321 m

Cooperated Firms

Project owner:	PT Kamigayo Kerpap Energi

Services

Scope of services:	Topographic survey, geological investigations, feasibility study and detailed design
Year:	2012

26. Ketol Hydropower Project

Project Features

Location:	Central Aceh, Aceh, Indonesia
River:	Peusangan
Net head:	84.0 m
Design discharge:	14.3 m^3/s
Installed capacity:	10 MW
Turbine type:	Horizontal axis Francis
Headrace channel:	5290 m
Penstock length:	490 m

Cooperated Firms

Project owner:	PT Pacific Artha Nusantara
Associated consultant:	PT AECOM Indonesia

Services

Scope of services:	Feasibility study review
Year:	2012

27. Silinda Hydropower Project

Preliminary Project Features

Location:	Serdang Bedagai, North Sumatera, Indonesia
River:	Buaya
Net head:	39.9 m
Design discharge:	11.0 m^3/s
Installed capacity:	3.6 MW
Turbine type:	Horizontal axis Francis
Headrace channel:	1787 m
Penstock length:	149 m

Cooperated Firms

Task owner:	PT Medco Power Indonesia

Services

Scope of services:	Due diligence
Year:	2012

28. Pusaka 1 Hydropower Project

Project Features

Location:	Cianjur, West Java, Indonesia
River:	Cibuni
Net head:	152.9 m
Design discharge:	7.8 m^3/s
Installed capacity:	10 MW
Turbine type:	Horizontal axis Francis
Headrace channel:	3880 m
Penstock length:	316 m

Cooperated Firms

Task owner:	PT Medco Power Indonesia

Services

Scope of services:	Due diligence
Year:	2012

29. Pusaka 3 Hydropower Project

Project Features

Location:	Cianjur, West Java, Indonesia
River:	Cibuni
Net head:	49.5 m
Design discharge:	7.5 m^3/s
Installed capacity:	3.2 MW
Turbine type:	Horizontal axis Francis
Headrace channel:	740 m
Penstock length:	260 m

Cooperated Firms

Task owner:	PT Medco Power Indonesia

Services

Scope of services:	Due diligence
Year:	2012

30. Dominanga Hydropower Project

Project Features

Location:	Bolaang Mongondow, North Sulawesi, Indonesianesia
River:	Dominanga
Net head:	90.8 m
Design discharge:	1.8 m^3/s
Installed capacity:	1.3 MW
Turbine type:	Horizontal axis Francis
Headrace channel:	1748 m
Penstock length:	605 m

Cooperated Firms

Project owner:	PT Sulawesi Hydro Energy
Associated consultant:	PT AECOM Indonesia

Services

Scope of services:	Feasibility study review
Year:	2012

31. Muaralangkap Hydropower Project

Project Features

Location:	North Bengulu, Bengkulu, Indonesia
River:	Air Belimbing
Net head:	24.3 m
Design discharge:	7.4 m^3/s
Installed capacity:	1.52 MW
Turbine type:	Francis
Headrace channel:	2300 m
Penstock length:	46 m

Cooperated Firms

Project owner:	PT Mukes Energi
Associated consultant:	PT Naluritama Engineering & Construction

Services

Scope of services:	Feasibility study and detailed design
Year:	2012

32. Datara Hydropower Project

Project Features

Location:	Gowa, South Sulawesi, Indonesianesia
River:	Karaloe
Net head:	100.10 m
Design discharge:	10.5 m^3/s
Installed capacity:	9 MW
Turbine type:	Francis
Headrace channel:	3528 m
Penstock length:	251 m

Cooperated Firms

Project owner:	PT Prisma Karun Energy
Associated consultant:	PT AECOM Indonesia

Services

Scope of services:	Feasibility Study Review
Year:	2012

33. Rongkong Hydropower Project

Project Features

Location:	North Luwu, South Sulawesi, Indonesia
River:	Rongkong
Net head:	85.8 m
Design discharge:	13.2 m^3/s
Installed capacity:	2 × 5.0 MW
Turbine type:	Francis
Headrace channel:	5071 m
Penstock length:	195 m

Cooperated Firms

Project owner:	PT Sangsaka Hidro Kasmar
Associated consultant:	PT Brantas Energi

Services

Scope of services:	Feasibility study review, toporaphic survey, geological investigations and detailed design
Year:	2013

34. Baliase Hydropower Project

Project Features

Location:	North Luwu, South Sulawesi, Indonesia
River:	Baliase
Net head:	83.0 m
Design discharge:	15.0 m^3/s
Installed capacity:	2 × 5.4 MW
Turbine type:	Francis
Headrace channel:	2662 m
Penstock length:	170.5 m

Cooperated Firms

Project owner:	PT Sangsaka Hidro Kasmar
Associated consultant:	PT Brantas Energi

Services

Scope of services:	Feasibility study review, toporaphic survey, geological investigations and detailed design
Year:	2013

35. Bayangnyalo Hydropower Project

Project Features

Location:	Pesisir Selatan, West Sumatera, Indonesia
River:	Bayangnyalo
Net head:	115.7 m
Design discharge:	7.3 m^3/s
Installed capacity:	2 × 3.63 MW
Turbine type:	Francis
Headrace channel:	1765 m
Penstock length:	141 m

Cooperated Firms

Project owner:	PT Bayang Nyalo Hidro

Services

Scope of services:	Topographic survey, geological investigations, feasibility study and detailed design
Year:	2013

36. Lhoksandeng 3 Hydropower Project

Project Features

Location:	Pidie Jaya, Aceh, Indonesia
River:	Meureudu
Net head:	65.4 m
Design discharge:	9.4 m^3/s
Installed capacity:	2 × 2.7 MW
Turbine type:	Francis
Headrace channel:	2140 m
Penstock length:	205 m

Cooperated Firms

Project owner:	PT Bumiku Hijau Sinergi

Services

Scope of services:	Pre feasibility study
Year:	2013

37. Palasa Hydropower Project

Preliminary Project Features

Location:	Parigi Moutong, Central Sulawesi, Indonesia
River:	Palasa
Net head:	45.6 m
Design discharge:	11.6 m^3/s
Installed capacity:	2 × 2.25 MW
Turbine type:	Francis
Headrace channel:	2410 m
Penstock length:	207 m

Cooperated Firms

Project owner:	PT Potensia Tomini Energi

Services

Scope of services:	Feasibility study review
Year:	2013

38. Tinombo Hydropower Project

Project Features

Location:	Parigi Moutong, Central Sulawesi, Indonesia
River:	Tinombo
Net head:	57.9 m
Design discharge:	3.5 m^3/s
Installed capacity:	2 × 0.86 MW
Turbine type:	Francis
Headrace channel:	1829 m
Penstock length:	164.6 m

Cooperated Firms

Project owner:	PT Potensia Tomini Energi

Services

Scope of services:	Topographic survey, geological investigations and detailed design
Year:	2013

39. Sumpur Hydropower Project

Project Features

Location:	Pasaman, West Sumatera, Indonesia
River:	Sumpur
Net head:	58.7 m
Design discharge:	16.1 m^3/s
Installed capacity:	2 × 4 MW
Turbine type:	Francis
Headrace channel:	2167 m
Penstock length:	205 m

Cooperated Firms

Task owner:	PT Nawakara Energi Sumpur

Services

Scope of services:	Due diligence
Year:	2013

40. Komering Hydropower Project

Project Features

Location: East Ogan Komering Ulu, South Sumatera, Indonesia
River: Komering Irrigation Channel
Net head: 5.85 m
Design discharge: 51 m^3/s
Installed capacity: 3 × 0.86 MW
Turbine type: Vertical Axis Kaplan

Cooperated Firms

Project owner: PT Bumiloka Tegar Perkasa

Services

Scope of services: Topographic survey and detailed design
Year: 2013

41. 10 Hydropower Projects in Southeast Sulawesi

Preliminary Project Features

Location: North Kolaka, Southeast Sulawesi, Indonesia

Scheme:	Lasusua 1	Lasusua 2	Ranteangin 1	Ranteangin 2	Ranteangin 3	Ranteangin 4	Ranteangin 5	Ranteangin 6	Ranteangin 7	Ranteangin 8
River:	Lasusua	Lasusua	Ranteangin	Ranteangin	Ranteangin	Ranteangin	Ranteangin	Ranteangin	Ranteangin	Ranteangin
Net head (m):	111.6	120.7	126.5	115.0	72.2	151.6	116.6	255.8	47.3	80.0
Design discharge (m^3/s):	3.4	4.0	1.9	2.1	2.2	2.4	4.6	3.0	5.2	2.4
Installed capacity (MW):	3.1	4.0	2.0	2.0	1.3	3.0	4.5	6.3	2.1	1.6
Headrace channel (m):	3633	3305	1259	2545	1153	1204	3699	4125	2482	1655
Penstock length (m):	283	313	298	186	176	218	198	377	176	174

Cooperated Firms

Task owner: PT Brantas Energi

Services

Scope of services: Due diligence
Year: 2013

42. Limbangan Hydropower Project

Preliminary Project Features

Location: Banjarnegara, Central Java, Indonesia
River: Tulis
Net head: 56.7 m
Design discharge: 10.4 m^3/s
Installed capacity: 2 × 2.5 MW
Turbine type: Horizontal Axis Francis
Headrace channel: 1434 m
Penstock length: 161 m

Cooperated Firms

Project owner: PT Bumiloka Tegar Perkasa

Services

Scope of services: Preliminary site assessment
Year: 2013

43. Windusari Hydropower Project

Preliminary Preliminary Project Features

Location:	Banjarnegara, Central Java, Indonesia
River:	Tulis
Net head:	66.7 m
Design discharge:	6.9 m^3/s
Installed capacity:	2 × 2 MW
Turbine type:	Horizontal Axis Francis
Headrace channel:	2474 m
Penstock length:	416 m

Cooperated Firms

Project owner:	PT Bumiloka Tegar Perkasa

Services

Scope of services:	Preliminary site assessment
Year:	2013

44. Pusaka 1 and 3 Hydropower Projects

Project Features

Location:	Cianjur, West Java, Indonesia
River:	Cibuni
Net head:	150.4 and 49.5 m
Design discharge:	7.9 and 7.5 m^3/s
Installed capacity:	2 × 5 and 2 × 1.6 MW
Turbine type:	Horizontal Axis Francis
Headrace channel:	3880 and 740 m
Penstock length:	316 and 260 m

Cooperated Firms

Project owner:	PT Pembangkitan Pusaka Parahyangan
Funder:	PT Bank Mandiri, Tbk

Services

Scope of services:	Bankability assessments
Year:	2014

45. Cibalapulang 2 and 3 Hydropower Projects

Project Features

Location:	Cianjur, West Java, Indonesia
River:	Cibalapulang
Net head:	58.4 and 57.8 m
Design discharge:	14.5 and 13.3 m^3/s
Installed capacity:	2 × 3.25 and 2 × 3 MW
Turbine type:	Horizontal Axis Francis
Headrace channel:	1698 and 1698 m
Penstock length:	465 and 296 m

Cooperated Firms

Project owner:	PT Sangsaka Hidro Barat
Funder:	PT Bank Mandiri, Tbk

Services

Scope of services:	Bankability assessments
Year:	2014

46. Bayang Hydropower Project

Preliminary Project Features

Location:	Pesisir Selatan, West Sumatera, Indonesia
River:	Batang Bayang
Net head:	46.4 m
Design discharge:	14.5 m^3/s
Installed capacity:	2 × 2.9 MW
Turbine type:	Horizontal Axis Francis
Headrace channel:	1789 m
Penstock length:	183 m

Cooperated Firms

Project owner:	PT Bumiloka Tegar Perkasa

Services

Scope of services:	Preliminary site assessment
Year:	2014

47. Ketelang Hydropower Project

Preliminary Project Features

Location:	Lebong, Bengkulu, Indonesia
River:	Ketelang
Net head:	168 m
Design discharge:	1.8 m^3/s
Installed capacity:	2 × 1.3 MW
Turbine type:	Horizontal Axis Francis
Headrace channel:	2580 m
Penstock length:	773 m

Cooperated Firms

Project owner:	PT Green Investments

Services

Scope of services:	Feasibility Study
Year:	2014

48. Renewable Energy Resource Mapping in Indonesia

Project Features

Location:	Sulawesi Island, Nusa Tenggara Islands, Maluku Islands

Cooperated Firms

Project owner:	PT Energy Sector Management Assistance Program (ESMAP), a World Bank Initative
Associated consultants:	Gesto Energy Consulting Aqualogus, Engenharia e Ambiente

Services

Scope of services:	Site surveys, data collections, potential assessment, GIS development, training, public converence
Year:	2014 to 2015

49. Cicatih Hydropower Project

Project Features

Location:	Sukabumi, West Java, Indonesia
River:	Cicatih
Net head:	23.65 m
Design discharge:	35.00 m^3/s
Installed capacity:	2 × 3.55 MW
Turbine type:	Vertical axis Kaplan
Headrace channel:	2441 m
Penstock length:	51.7 m

Cooperated Firms

Project owner:	PT Bias Petrasia Persada

Services

Scope of services:	Revision of Detailed Design and Tender Documents
Year:	2014

50. Lubukgadang Hydropower Project

Project Features

Location:	South Solok, West Sumatera, Indonesia
River:	Sangir
Net head:	39.8 m
Design discharge:	23.50 m^3/s
Installed capacity:	2 × 4 MW
Turbine type:	Horizontal axis Francis
Headrace channel:	1490 m
Penstock length:	642 m

Cooperated Firms

Task owner:	PT Energi Infranusantara
Project owner:	PT Selo Kencana Energi

Services

Scope of services:	Due Diligence
Year:	2014

51. Pongkor Hydropower Project

Project Features

Location:	Bogor, West Java, Indonesia
River:	Cikaniki
Net head:	126.7 m
Design discharge:	6.9 m^3/s
Installed capacity:	3 × 2.5 MW
Turbine type:	Horizontal axis Francis
Headrace channel:	3500 m
Penstock length:	251 m

Cooperated Firms

Project owner:	PT Antamloka Energi

Services

Scope of services:	Detailed design
Year:	2014

52. Musi Kotaagung Hydropower Project

Project Features

Location:	Kepahiang, Bengkulu, Indonesia
River:	Musi
Net head:	102.3 m
Design discharge:	14.5 m^3/s
Installed capacity:	2 × 6.2 MW
Turbine type:	Horizontal axis Francis
Headrace channel:	7920 m
Penstock length:	1505 m

Cooperated Firms

Project owner:	PT Dharma Agung Wijaya

Services

Scope of services:	Feasibility Study and Detailed design
Year:	2014

53. Palasa Hydropower Project

Project Features

Location:	Parigi Moutong, Central Sulawesi, Indonesia
River:	Palasa
Net head:	45.6 m
Design discharge:	11.6 m^3/s
Installed capacity:	2 × 2.25 MW
Turbine type:	Francis
Headrace channel:	2410 m
Penstock length:	207 m

Cooperated Firms

Project owner:	PT Potensia Tomini Energi

Services

Scope of services:	Topographic survey, geological investigations, feasibility study and detailed design
Year:	2014

54. Three Hydropower Projects in Central Java

Project Features

Projects:	Gunungwugul	Harjosari	Lambur
Location:	Banjarnegara	Pekalongan	Pekalongan
River:	Urang	Genteng	Genteng
Net head:	68.0 m	117.0 m	77.0
Design discharge:	5.4 m^3/s	9.2 m^3/s	10.5 m^3/s
Installed capacity:	2 × 1.5 MW	3 × 3.3 MW	2 × 4.0 MW
Turbine type:	Francis	Francis	Francis
Headrace channel:	393 m	1700 m	2984 m
Penstock length:	427 m	1630 m	435 m

Cooperated Firms

Project owner:	PT Indonesia Power

Services

Scope of services:	Tendering assistance
Year:	2014

This update: September 2014
Find updated list here.