Monnaran
10MW Solar Farm Project
Outline of Talk

1. The Project Profile
2. The Project Planning
3. Progress of construction work
4. Grid Connection
Farm Do company in Japan (Project profile)

Solar power generation
82MW in 165 places

CO2 reduction by sun
– the source of unlimited energy
Farm Do company in Japan (Project profile)

Solar farm

Patent No. 5791215
Patent No. 5791211
Farm Do company in Japan (Project profile)

**Solar Farm** (solution culture)

Comfortable for plants and humans 8-9 times harvest / year = efficient
Farm Do company in Japan (Project profile)

**Solar Farm (soil culture)**

Japanese butterburs

Comfortable for plants and humans
Everyday Farm company in MGL (Project profile)
Monnaran Site (Project Planning)

所在地
モンゴル国 ウランバートル市

敷地面積
280,000㎡（内農業面積133,000㎡）

出力規模
Total 12.7MW PV modules
And 10MW Power Conditioner System
（内農業用5.76MW）

1st stage 2.4MW
2nd stage 10.3MW

年間予測発電量
約18,030MWh/年

想定温室効果ガス排出削減量
約18,800tCO2/年

運転開始予定
2017年3月予定(全稼働2017年7月)
Monnaran Site (The view from the mountain top)
Preparation of Construction Work (Ground Leveling)

Total area 1.7ha for Vinyl Greenhouses

Total area 21.45ha for PV power plant
Pile Driving (Foundation work for PV arrays)

Piling

Assembling the PV module mounting frames
2.4MW PV modules
2.4MW PV modules
2.4MW PV modules
Installing the Combiner Boxes (SMA String Combiner 24)

Combiner boxes with heater
Brick House for PCS (SMA MVPS 2000SC)

The size of the house is
Length: 10.1 meters
Width: 14.5 meters
Height: 4.5 meters
Grid Connection

35/10kV Monnaransubstation

35kV Transmission line
Thank you for your kind attention