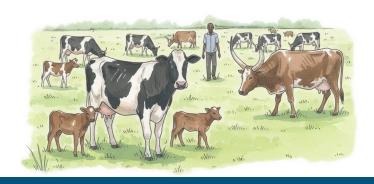
## POWERING DAIRY WITH SOLAR IN UGANDA

POWER # ALL

Solar power can boost yields, cut losses, and create new income by reducing inefficiencies across the entire value chain\*









Farmers

**SOLAR-POWERED CHAFF CUTTERS** 

**30%** ↑

**EFFICIENCY** 

**10%**↑



**SOLAR WATER PUMPS** 

90% ↓
REDUCTION IN

**DIESEL EXPENSES** 

33% ↑

**FARMER PROFIT** 

**100%**↑

INCREASE IN DRY-SEASON PRODUCTIVITY Rural Transporters/Traders

**BODA BODA E-BIKE** 

60% ↓

REDUCTION IN FUEL COST VS. PETROL BIKES

100%个

INCREASE IN NET DRIVER INCOME VS. PETROL BIKES Cooperatives/Aggregators

**SOLAR COOLING** 

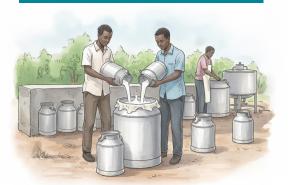
30%↓

REDUCTION IN SPOILAGE

**15,000 ↓** 

REDUCTION IN ANNUAL TONS OF  ${\rm CO_2}$ 

Rural Retailers (Raw Milk/Informal Market)



Milk Processors

**SOLAR MINI-GRIDS** 

18-22%

INTERNAL RATE OF RETURN (IRR)\*

**20-30%**↑

PRICE PREMIUM FOR QUALITY

**70%**OF DAIRY LABOUR

OF DAIRY LABOR IS DONE BY WOMEN



Distributors



Retail