

# Xylem's Saajhi Treadle Pump

STEPPING TO PROSPERITY





#### Solving poverty means solving water

Today, 2.5 billion people around the world live on less than \$2.50/day.

Source: World Bank Development Indicators 2008

## The smallholder farmer: entrepreneurial, and a true engine of development.

Farmers make up one-third of the world's population; 1.5 billion of them are smallholders who farm for their own food. Yet much of their arable land and entrepreneurial energy are underutilized.

Smallholder farmers are a **compelling market** for solving water, and an undertapped **catalyst for growth**.

# Rural product expertise starts with customer intimacy. Customer intimacy starts with observing and listening.







We conducted extensive field visits, interviewing more than 750 farmers across India, while also establishing hybrid value chain relationships with key citizen sector and non-governmental organizations across numerous other developing nations.

#### **The Value Proposition**

#### **FOR COMMUNITIES FOR ALL PARTIES FOR FARMERS** AND GOVERNMENT **AGENCIES** LABOR TIME **INCREASED FLOW REVENUE INCREASE REDUCTION** PER STEP <sup>1</sup> WATER EFFICIENCY Completely fieldserviceable, no tools required Manufactured by 25% or greater Greater than 3x or greater yield Nearly one of the world's in revenue 15% increase **40% less** reduction in largest pure-play through output in water output\* water usage labor time water companies and cropcycle from pressurized per step from pressurized water delivery increases, water delivery compared to (spray or drip), (spray or drip), rain fed compared with compared with traditional furrow traditional furrow irrigation irrigation 10 additional liters/minute\* for similar exertion 80% of farmers surveyed **67% of farmers** surveyed 89% of farmers surveyed (n = 750) favored a brand (n = 750) favored a brand (n = 750) selected a brand or product based upon or product based upon or product according to its convenience of use 2 its output capability 2 its quality <sup>2</sup>

<sup>&</sup>lt;sup>1</sup> Baseline: similar comparative treadle products over ½ acre or less, relative to our Saajhi

<sup>&</sup>lt;sup>2</sup> Survey allowed for the selection of multiple responses for a particular question

<sup>\*</sup>Results based on field trials conducted by Xylem. Individual results may vary.

## Xylem's Saajhi pump: Defining rural innovation

"Saajhi" originated from the word "Saajhedaari" or "Partnership" which is commonly used in India to address an ally, shareholder, or partner in business.

#### **SMALL OVERALL DIMENSIONS**

With its light weight (43 lbs / 19.5 kgs) and compact size (19.5 x 18.5 x 42 inches, 49.5 x 47 x 106.7 centimeters, handle removed), the Saajhi enables both ease of movement in rugged terrain and easy storage back home



#### **TILT AND TRANSPORT DESIGN**

Ergonomic angle-and-wheel combination is optimized for center of gravity, aiding even smaller users in transporting to and from the field

#### SIMPLIFIED MAINTENANCE

Assembled with minimal parts, all of which are easily replaceable in the field with no special tools





### A capability servicing 76% of the world's countries:

Addressing a resource spanning 70% of the world's surface



### Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're 12,700 people unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

#### For more information on how Xylem can help you, go to www.xyleminc.com



Xylem 100 Cummings Center, Suite 535N Beverly, MA 01915 Tel +1.978.281.0440 www.xyleminc.com

Essence of Life is a trademark of Xylem Inc. or one of its subsidiaries. © 2013 Xylem, Inc. 950-0816 Rev A 09/13 Printed in the USA

Xylem Water Solutions India Pvt. Ltd. Ground & First Floor, Vishnu Shivam Mall Thakur Village, Kandivali (East), Mumbai -400101 Maharashtra (India)