

Active ThermoDAPP SYSTEM

Temperature monitoring system for **ACTIVE**
fire protection & predictive maintenance

dedicated to industrial applications

by DAPP Technologies

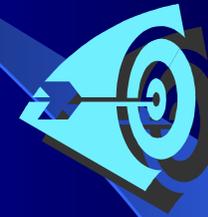
Short history of our start up

- Creation date: 5th January 2009
- First investor: Business Angel – 400 kPLN
- Genesis: 2 years of R&D
- Core Team: 3+1 {Leaders/proprietors }
- Technical team: 4 {new generation electronic engineers}
- Searching for second round of financing: ~1000 kPLN

Advanced technologies are our main stream – the way we progress

- **Market driven** development
- 1 technology ↔ 2 niche markets
 - monitoring of 'big buildings' roof construction – direct deflection measurement
 - **Fire protection & predictive maintenance - Active ThermoDAPP**
- **Technological invention** by using advanced, most modern trialed and tested electronic & communication solutions
- Our own developed software and measurement algorithms

Active ThermoDAPP SYSTEM's 5 key success factors



Wireless,
battery
powered
Communication
for
measurement
device

Measurement
device live time
~20 years
„**ETERNITY**”

NO SERVICE
no battery
replacement

Smart sensors
-
intelligent
sensors

Direct
measureme
nt
-
Fast
&
Accurate

Highest
Quality/Price
ratio

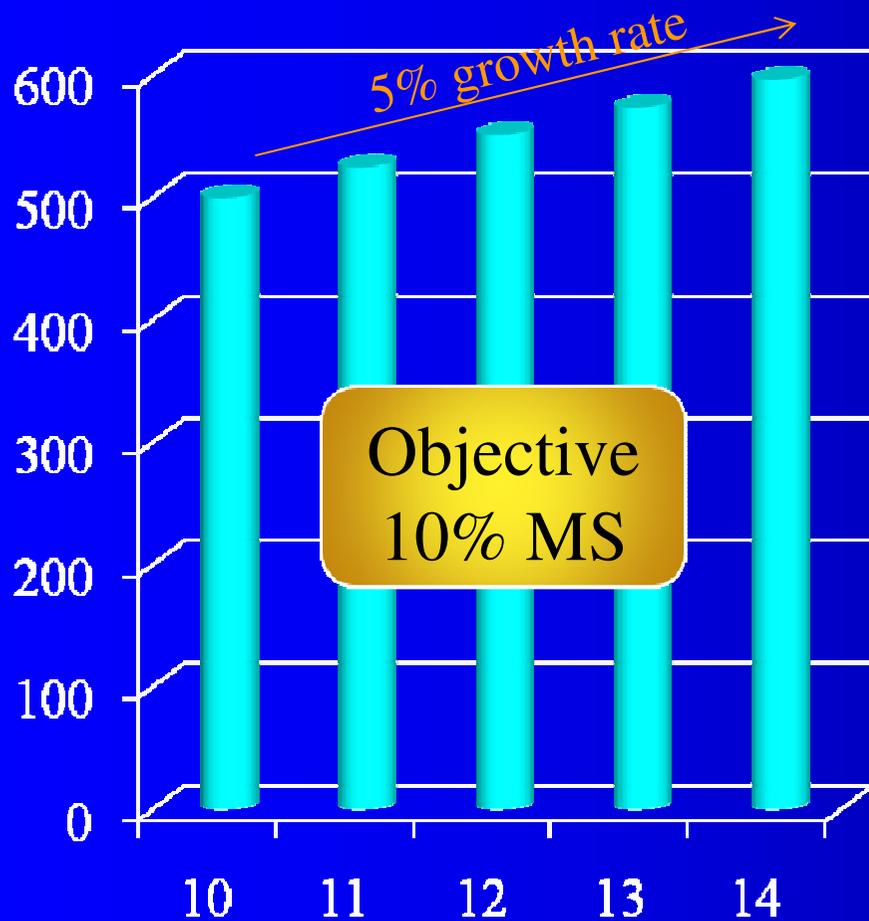
Active ThermoDAPP SYSTEM's 7 key benefits

- Multitask, real time security system
- Untethered solution ↔ wireless monitoring network
 - easy to install, to modify, to develop...
- Fast & accurate measurement
- „Service free” concept
- Highest performance /price ration ↔ entry barrier
- Dedicated to industrial application
- On-line service & information

Polish market & opportunity

just for the warm up

in M PLN



Major market opportunity

- Fast development of bio-fuel
- Fast growth of investment linked to biomasses
- Lower prices of electronic components
- Absence of dedicated protection systems

Our distinctive competences

- Multitask, real time security system
- Battery powered, wireless, live time monitoring network – „Service free” concept
- Full on–line service & communication
- Original software and measurement algorithms
- TEAM competences, passion & value system
- Dedicated solutions
- Patenting strategy
- Disencouraging price level
 - We divide by 5 actually reachable pricing

Competitors are using techniques designated for buildings & spaces

- Classic fire detection
 - Objective is to evacuate PEOPLE
 - What about machines?
- Linear temperature monitoring systems
 - Metrology
 - Tunnels
 - Machines protection - 'by adaptation'
- Optical measurement
 - Very difficult to be used in dirty industrial environment
- Others...

Those techniques are well suited for designated application

The team translates our technology to business success

	R&D Technical team	Management & commercial	Production	Administration
Leader	PhD. Zbigniew Pióro PhD. Ludomir Duda	Edward Antoszkiewicz	Future	Edward Antoszkiewicz
Specialists	2	vacat	Future	Outsourced
Working hands	2	vacat	Future	Outsourced

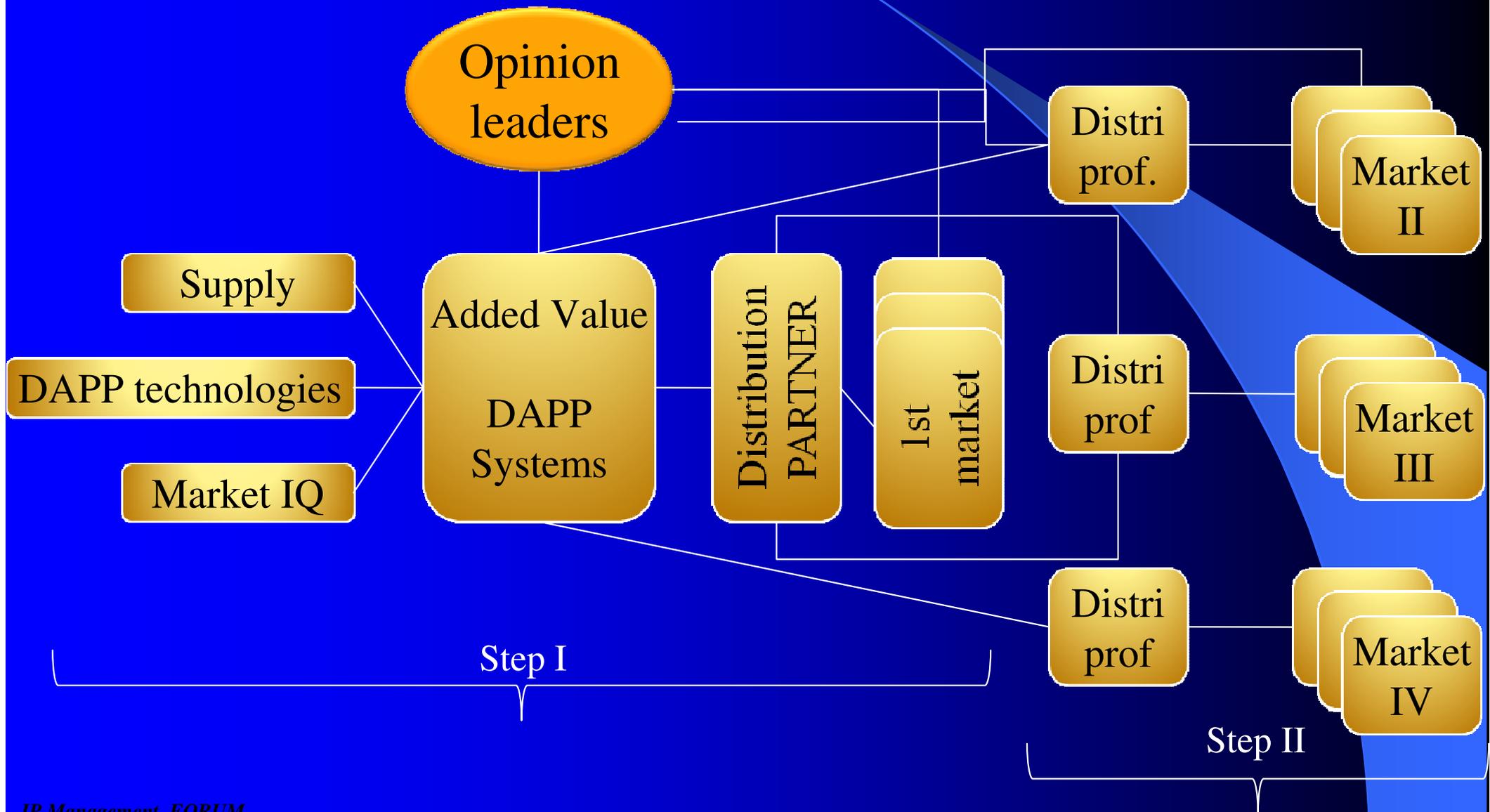
PhD. Z . Pióro: 40 years track on Warsaw University of Ttechnology; 40 years experiences in electronic and measurement devices construction ; Author of many professional publication and several patents; The brain of our development

Edward Antoszkiewicz: 15 years professional track at top managerial level, leading international company in Poland; Several start-up projects, fusions and company rebuilding; Since 2006 devoted to the development of Polish new technologies; The CEO of DAPP Co

The key market players for Active ThermoDAPP

- Target group (heavy duty environment)
 - **Energy producers – the first „natural” step**
 - Chemical and petrol industries
 - Heavy industries
 - ...
- Distribution lines
 - Security system providers ↔ specialized installation Co [push]
 - Investment design & project Co [push]
 - Engineers base sales force [pull]
- Opinion leaders
 - Risk experts
 - Insurance Co

Simple value chain reflect an „natural” progress



Our need is „money on time”

- There is an articulated demand for prevention systems
 - We have already „sold” the system concept, but still we haven't got the hardware for sale
- We have first distribution Partner
 - With access to substantial market shares
 - Licensed supplier – non legal risk
- We need financing to supply the market

Polish market is reflecting the real business potential *still the warm up*

<i>In kPLN</i>	2010	2011	2012	2013	2014
Capital /Investement requirement	~1 000 (financing need)		~1 000 (working capital)		
Turnover	3 000	10 000	20 000	35 000	50 000
Marginal contribution	70%	70%	75%	75%	75%
Pretax profit	1 500	5 000	12 000	20 000	30 000
Pretax profit %	50%	50%	60%	60%	60%

Active ThermoDAPP

Executive summary

- Multitask monitoring system
 - Temperature
 - Predictive maintenance
- Untethered system – relieves the space
- Advanced technologies {microelectronics & communication} in use with „service free” concept
- Market potential –revenues with substantial margins
 - Low cost linked to „ETERNITY” concept – „Service free”
- Market driven invention
- Patenting strategy

**Thank You for the time, You have
dedicated to DAPP Technologies**

I am 25 hours a day
at your disposal
to continue our first meeting