

COMPANY PROFILE



ENVIRO
EXCELTECH
ENVIRO EXCELTECH SDN BHD

(818694-D)



ENVIRO EXCELTECH SDN. BHD. (818694-D)
A-G-09, UNIV 360 PLACE,
JALAN RAYA 2, TAMAN SERDANG JAYA,
43300 SERI KEMBANGAN, SELANGOR D. EHSAN, MALAYSIA
TEL: 03-95441754 / FAX: 03-95441754
www.eetsb.com / info@eetsb.com



ISO 9001:2015



MS ISO/IEC 17021:2015
ACB QMS 13

ABOUT US



*Success is not final,
failure is not fatal:
it is the courage to
continue that counts.*

Winston Churchill

ENVIRO EXCELTECH SDN. BHD.

Co. No.: 818694-D
Environmental, Safety &
Health Consultancy and
Project Engineering
Management

ISO 9001:2015 CERTIFIED

A-G-09, Univ 360 Place ,
Jalan Raya 2, Taman Serdang Jaya,
43300 Seri Kembangan, Selangor
Ph one: 03 9544 1754
Fax: 03 9544 1754
Web: www.eetsb.com
Email: info@eetsb.com

Registered With:

Ministry of Finance, Malaysia (MOF)
Department of Environment, Malaysia (DOE)
Tenaga Nasional Berhad (TNB)
Atomic Energy Licensing Board (AELB)
Petroliam Nasional Berhad (PETRONAS)
Suruhanjaya Perkhidmatan Air Negara (SPAN)
Construction Industry Development Board (CIDB)
Indah Water Konsortium (IWK)
Government & Private Universities in Malaysia
IPPs (Malakoff, KEV, JEV, YTL)
DRB-HICOM Group



INTRODUCTION



*Coming together is a beginning;
keeping together is progress;
working together is success.*

Henry Ford



ENVIRO EXCELTECH SDN BHD (818694-D)

was incorporated on 23rd May 2008.

EETSB was set up to undertake environmental, oil & gas, general industries and energy sector, as specialist in Environmental, Safety & Health Consultancy and Project Engineering Management.

EETSB is strongly supported by excellent management team, a team of local individuals who possess high skills, knowledge, experiences and expertise in Environmental, Oil & Gas, and Energy sector.

In recent years, **EETSB** has rapidly been developing project management expertise in Environmental, Energy, Oil & Gas projects while undertaking projects with the Government Agencies and also private sectors in Malaysia. **EETSB** is fully equipped with necessary high skills human re-sources and financial strength. Practicing and employing International Standards, HSE Policies and Quality Management Systems in day-to-day operations is our major competencies to ensure continuous and high quality services to our customers.

With mission to provide innovative and professional services by meeting our clients' needs and requirements through a highly competent, committed and dedicated team, **EETSB** believe that our vision to be a leading and preferred service provider in Malaysia & beyond, can be achieved.



PHILOSOPHY



*Try not to become a man of success,
but rather try to become a man of
Value.*

Albert Einstein

OBJECTIVE

- Providing high quality, efficient and effective products and services to meeting and satisfying our customer's unique needs and requirements.
- Expanding our capabilities and market share in order to become the leading company in the industry.

VISION

We are committed to be the leading and preferred products and services provider with our management philosophies of **"Simply Serving Your Needs"**

MISSION

To provide innovative and professional products and services to meet customers' needs and requirements through a highly competent, committed and dedicated team and supported with highly innovative, technological advance products.

SUSTAINABILITY

We ensure sustainability of our organization through:

- Innovative and creativity in our processes.
- Upholding our corporate reputation.
- Diversity of our business and our talent.
- Team spirit, earning trust, support & respect.
- High productivity.

KEY TO SUCCESS

We ensure our continuous successes through the following goals:

- Develop excellent relationship with current and future customers.
- Meet specific customer's needs and requirements.
- Providing excellent quality services to customers.
- The equipment used in providing our services is in accordance with available standards, HSE procedures and of high quality products.



CORPORATE INFO



*If you have No critics
You'll likely have No success.*

Malcolm X

Office:

A-G-09, Univ 306 Place, Jalan Raya 2,
Taman Serdang Jaya,
43300 Seri Kembangan, Selangor

Board of Directors:

Zamzam Tuah Bin Ahmad Ramly
Mohd Azuan Bin Ghazali
Ahmad Nazri Bin Ngah Said

Bankers/Financier:

Maybank Islamic Berhad

CIMB Islamic Bank Berhad

Bank Islam Malaysia Berhad

Bank Perusahaan Kecil Dan Sederhana
Malaysia Berhad (SME Bank)

Ambank Malaysia Berhad

Credit Guarantee Corporation Malaysia
Berhad (CGC)

PMB Tijari Berhad

Company Secretaries:

Zaltax Management Services
11-1B, Jalan SBC 2,
Taman Sri Batu Caves,
68100 Batu Caves, Selangor





ENVIRO
EXCELTECH

*Defeat is not the worst of failures.
Not to have tried is the true failure.*

George Edward Woodberry

DIRECTOR'S Profile



Director

Zamzam Tuah Bin Ahmad Ramly

zamzam@eetsb.com

- ◇ Doctor of Philosophy (PhD) Candidate, Atmospheric Chemistry and Climatology of Science Environment, Universiti Putra Malaysia
- ◇ Master of Science Environment, Universiti Putra Malaysia
- ◇ B.Sc. (Hons.) in Industrial Chemistry, Universiti Putra Malaysia

◇ Membership of ENSEARCH, Environmental Management and Research Association of Malaysia (Membership no: 1257)

◇ Membership of MIHA, Malaysian Industrial Hygiene Association (Membership no: A0144-07)

Zamzam Tuah is a person with strong leadership skills and enables him to lead and provided the groundwork for the operation of the entire company. From implementing standard operating procedures to establishing guidelines for both the management team and operational team, align with our company's philosophy, **Simply Serving Your Needs** and a strong vision that focus to our ethics, professionalism and dynamic in delivering our services. Highly skilled in the industry and involve for more than 13 years experiences and strong qualification making he is fully capable in leading the company.

Competent person and specialize in:

- ◇ Predictive Emission Monitoring System (PEMS) - system design and architecture, data and system architecture, operations and maintenance, system support.
- ◇ Continuous Emission Monitoring System (CEMS) - System architecture, design, operations and maintenance.
- ◇ Air Quality Monitoring System (AQMS) - System architecture, installation, operations and maintenance.
- ◇ Water Quality Monitoring System (WQMS) - online system design and architecture, technical specifications and applications.



DIRECTOR'S Profile



*"Logic will get you from A to B.
Imagination will take you everywhere"*

Albert Einstein



Director

Mohd Azuan Bin Ghazali

azuan@eetsb.com

◇ Degree of Chemical-Gas Engineering, Universiti Teknologi Malaysia

Azuan is a person whose skilled problem identifier and troubleshooter, which his able to pinpoint and resolve error in early stages to avoid time and cost expenditures.

He also efficient, organized person with success in coordinating effort within internal-external groups to reach and surpass expectations.

Since year of 2006 until 2012 he facing hectic and challenging experience in oil & gas sector as products specialist, applications engineer and services engineer. He knowledgeable and capable on technical of various types of valves and flow meters, including niche and valuable equipment. In 2012, he started with Enviro Exceltech Sdn Bhd with different field of specialties to challenge himself for value added and to enter the new market on environmental monitoring and safety management.

Applied what he had previously on daily task, Azuan will effectively utilize acquired expertise, creative talents and commitment to excellence.



Many of life's failures are people who did not realize how close they were to success when they gave up.

Thomas A. Edison

1. Project Management & Engineering

EETSB specialized in Environmental Monitoring Systems such as **CEMS/PEMS/AQMS/WQMS/IETS**. Our scope of works includes supply, develop, install, integrate, test, calibrate and commissioning of a complete monitoring system. Our people have vast experiences in environmental monitoring services and systems including experiences in Government Environmental Monitoring Network System that generates Air Pollution Index (API) and Water Quality Index (WQI).



EETSB experiences in **Oil & Gas** and **Power/Energy** sectors from between our directors and our people ensure our capabilities in conducting project management, deliveries and supplies of monitoring systems and services for such industries. **EETSB** is also providing consultancies in relation to environmental requirements, and information systems.



EETSB also explored in new division of technology, in soil monitoring. The technology is a key enabler to measure real-time data on nutrients. We support farmers to take decisions based on both broader and more specific insights. We give value chain participants new opportunities to create value and mitigate risks by making data available.



2. Service & Maintenance

Service and maintenance are important element in ensuring your installed systems are always in good condition, accuracy and reliability. At **EETSB**, we employ the best people in this part to ensure our customers are given the best quality services. The services includes, but not limited to, **Installation, integration, configuration, troubleshooting, re-conditioning works, replacement of parts, consultancy plus related services and maintenance.**



Service and Maintenance for:

- Air Quality Monitoring System (AQMS)
- Continuous Emission Monitoring System (CEMS)
- Automatic Water Quality Monitoring System (AWQM) – River, Lake, Effluent, Dam and Waste Water Treatment Plant
- High Precision Food Industries Equipment
- Data solutions to measure nutrients and other key parameters in soil, feed and leaf
- Lab Apparatus & Equipment
- Gas Monitoring System GasPT for gas pipeline
- Gas Sampling System VE Technology for gas pipeline
- Instrument calibrations and troubleshooting.



3. Training & Assessment



Our customer knowledge is very important to us as to ensure the delivered products are at best of use to them. Therefore, we provide trainings to our customers in both operational and technical knowledge. We believe in providing the best knowledge to our customer for the best results in our supplied products, systems and services.

We employed competent person in Safety & Health Officer (**SHO**), who is also registered with DOSH to be entitled as a Chemical Health Risk Assessor (CHRA) & Hygiene Tech I & Tech II. Our team also provides training of system, chemical handling and chemical spill to general industries that involves in handling of the chemical in their businesses. We also concentrate on IAQ Monitoring, Noise Boundary & Mapping Monitoring, Isokinetic Test, Audit RAA, Audit RATA, RCA, ACA, QAL 2, QAL 3, Marine Ecology Studies and other requirements.

4. Trading

Our target are also to trade with our business registered bodies such as Ministry of Finance (MOF), PETRONAS, Tenaga Nasional Berhad (TNB), Independent Power Plants (IPP), Department of Environment (DOE), General Industries (GI) in any fields & several universities (IPTA/IPTS) which our target also to trade with them for any items which scope involve is supply & delivery. Besides, we have years of experience in supplying safety equipments to various industries in Malaysia. We are also collaborating with other entities which can provide services to our client to fulfil our management philosophy.





EXCLUSIVE PRODUCTS



ENVIRO EXCELTECH

A true friend is one who overlooks your failures and tolerates your success!

Doug Larson



ECOTECH is manufacture of monitoring instruments is an Australian owned company with over 35 years experience providing the world with environmental monitoring instruments and services.

Equipment designed and manufactured by **Ecotech** includes: Ambient air analysers, Ambient air quality monitoring systems, Trace/background NCore ambient monitoring systems, Blast monitoring systems and software, Continuous emission monitoring systems, Aurora integrating nephelometers, High volume air samplers, Low volume air samplers, Gas dilution calibration systems, Zero air generators, Data acquisition systems, Data collection, validation and reporting software.

www.ecotech.com

SYNSPEC is a specialised company dedicated to the developement, production and sales of small gaschromatographs for ambient air and industrial hygiene measurement of hydrocarbons in low concentrations, based in Netherland. **Synspec** main product lines:

SYNSPEC

Syntech Spectras GC955 for low level measurements of the complex ambient air, Synspec Alpha Methane/TNMHC analyzers, Synspec Delta analyzers for toxic hydrocarbons in industry. Monitoring of benzene, ethylene oxide, butadiene, acrylonitrile, toxic hydrocarbons in ambient air, ozone precursors and many more compounds.

www.synspec.nl



EXCLUSIVE PRODUCTS



ENVIRO
EXCELTECH

Most great people have attained their greatest success just one step beyond their greatest failure.

Napoleon Hill



**MAGEE
SCIENTIFIC**

Research into methods for the real-time measurement of light absorbing aerosols **Aethalometer User's Group** began in Berkeley in 1978. The first-ever Aethalometer® was deployed in a field study in the summer of 1980: the first aircraft measurements were made in 1982, and in 1986 an Aethalometer started making measurements of aerosol Black Carbon at the most remote location on the planet, the South Pole Observatory. **Magee Scientific Company** was established that same year to further develop and commercialize the Aethalometer, and make it available to the aerosol research and monitoring community. Aethalometers have been used in increasing numbers over the years: almost 2,000 instruments have been delivered to locations on all 7 continents, and almost 5,000 reports using Aethalometer data have been published in the open scientific literature. www.mageesci.com

Cooper Environmental Services LLC

Founded in 1996 by Dr. John Cooper, Cooper Environmental Services LLC (CES) specializes in the measurement and interpretation of elements in source emissions and ambient air. CES provides innovative scientific instruments and technical consulting for complex air quality issues, specializing in the measurement of metals in industrial emissions and ambient air. CES was the first to commercially manufacture XRF-based multi-metals CEMS in the world.



**COOPER
ENVIRONMENTAL**

www.cooperenvironmental.com



11

EXCLUSIVE PRODUCTS



ENVIRO
EXCELTECH

Success is often achieved by those who don't know that failure is inevitable.

Coco Chanel

ORBITAL



Orbital Global Solutions... changing the conversation in the hydrocarbon process measurement industry.

Innovative products for Sampling, Measurement and Analysis. Meticulously researched and developed by industry

experts, proven in the field and now available to customers across the globe.

VE Technology

★VE Technology is a range of revolutionary sampling and process measurement products totally dedicated to sampling perfection and rapid delivery of information to the user. Patented technology that eliminates Vortex induced vibration for Sample Probes and Thermowells is just one of the features that makes VE Technology unique and essential to safe, effective process monitoring.

GasPT

★A leap forward in natural gas quality analysis, the GasPT is an inferential analyser that delivers Chromatograph-quality property analysis, without the delays, ancillaries or costs of a GC. If you want to rapidly and reliably determine energy content (CV/BTU/HHV/LHV), Wobbe, Compressibility, Relative Density and others, in seconds, then this is the product for you.

www.orbitalglobalsolutions.com



12




EXCLUSIVE PRODUCTS



*"Success is getting what you want,
happiness is wanting what you get"*

W.P. Kinsella

 **gasmeter** Gasmeter is at the forefront of development. We have almost 30 years of FTIR experience and we have introduced several breakthrough innovations. Our teams of experts ensure continuous improvements of our products that will exceed our customers' expectations. **Gasmeter** is a Finnish high technology company that develops, manufactures and markets gas analyzers and monitoring systems for a variety of industrial, environmental and safety applications. Our customers worldwide include, but are not limited to, power plants, waste incinerators, first responders and universities. In the field of gas analysis, our company have established a global reputation for innovative, customer-driven and reliable solutions. As a global company, we place a heavy emphasis on high levels of pre and post-sale technical support. **Gasmeter** is a technology group from Helsinki founded in 1990 consisting of the parent company and four subsidiaries which are located abroad. Gasmeter operates in more than 70 countries covering all continents.

www.gasmeter.com



The ABB LGR-ICOS gas analyzers build on the heritage and extensive track record of Los Gatos Research analyzers, using patented Off-Axis

Integrated Cavity Output Spectroscopy (OA-ICOS) technology, the latest evolution in tunable diode laser absorption spectroscopy. All LGR-ICOS analyzers utilize a unique laser absorption technology called Off-Axis Integrated Cavity Output Spectroscopy (OA-ICOS). This ABB-patented technique offers numerous advantages compared to other laser-based techniques, but is also regarded as being disruptive in the industrial world as it displaces long-established measurement technologies such as lead acetate tapes, chilled mirrors, NDIR, FTIR, electrochemical sensors, gas chromatography, paramagnetic sensors or mass spectrometry in various applications. Cavity enhanced absorption was first developed as an ultra-sensitive detection method by LGR (now ABB) founder Anthony O'Keefe in 1988i in the form of CRDS.



EXCLUSIVE PRODUCTS



"Have no fear of perfection - you'll never reach it."

Salvador Dalí

RS Hydro is a multi-disciplined instrumentation company, founded in 1997, providing specialist expertise to tackle technological issues facing clients over a large range of work in the water, environmental and industrial sectors. At RS Hydro, we recognize that client organizations operate in an increasingly global market where competition, technology, expertise, customer service and cost-effectiveness are the predominant determinants in successful business development. RS Hydro meets all these requirements by providing a high quality service at a budgeted cost. Our experience is combined with the latest available technology, extensive training and experience to guarantee absolute client satisfaction. Many of our projects are world-class industry benchmarks, some of which cannot be achieved by any other company worldwide. This is down to unique instrumentation and experience for difficult applications. RS Hydro is committed to continual redevelopment and improvement.

People: RS Hydro people are dedicated to ensuring that every client is well served. Our highly skilled field engineers are recognized UK-wide for their innovation, responsiveness and flexibility. **Service Excellence:** Service Excellence is at the core of our business activity. It's how we continue, meet and exceed our commitments. **Partnership Approach:** Our aim is to work in partnership with our clients, applying a fusion of innovative ideas and proven technology to achieve practical and efficient solutions of the highest quality. **Industry Expertise:** We deliver compelling value propositions that demonstrate we understand our clients business and have deep expertise in their industries. **Benefits to our Clients:** By focusing on value, our clients and our resources, RS Hydro has become a significant provider in the provision of services, solutions and technology in the water, environmental and process industries. Unparalleled service and performance, interpreting customer's needs before they arise and providing innovative solutions on time have ensured our success.

www.rs-hydro.co.uk

EXCLUSIVE PRODUCTS



ENVIRO
EXCELTECH

"Have no fear of perfection - you'll never reach it."

Salvador Dalí

ALUCHEM
LUBRIFICANTI SPECIALI

Aluchem S.p.A. has been operating since 1975 in the development and application of synthetic and special lubricants ideal for extreme conditions, unfriendly environment and strategic or delicate machinery. Aluchem was the first Italian company to produce synthetic lubricants and since the beginning has been a market leader in the production and sale of oils for air-compressors and non-toxic lubricants destined for the food and pharmaceutical industries. Aluchem offers an integrated product range for the lubrication of hydraulic circuits, bearings, chains, gearboxes, joints and couplings, many of which were developed from specific application requests by clients. Aluchem biolubricants are already a reality, leading the way into the

www.aluchem.it

**GIORGIO
•BORMAC**
s.r.l.

Giorgio Bormac was born in 1995 in Carpi, in the heart of the Province of Modena, with the aim of selecting and sell in national scientific instrumentation of excellent quality, through a network of national and regional distributors. Giorgio Bormac is a company with 26 years' experience in electrochemistry equipment for water analysis. "Easy to use" is the philosophy that power all the line of instruments made in Italy: pH meters, conductivimeters, multiparameters, oxygen meter, thermometers pH sensors, certified pH and COND buffer solution with XS instruments brand. All the pHmeter are equipped with new input technology DHS (Digital High Sensor). Five years warranty for portable meters is clear indication of quality.

www.giorgiobormac.com



15

EXCLUSIVE PRODUCTS



ENVIRO
EXCELTECH

"Have no fear of perfection - you'll never reach it."

Salvador Dalí



agrocared
nutrient intelligence

Agrocared deliver cutting edge data solutions to measure nutrients and other key parameters in soil, feed and leaf. This will ultimately lead to sustainable yield and production increase. AgroCared technology is a key enabler to measure real-time data on nutrients. We support farmers to take decisions based on both broader and more specific insights. We give value chain participants new opportunities to create value and mitigate risks by making data available. Applications are key to our services. In combination with our in-house developed monitoring tools, our apps provide the world's farming community with on-the-spot, fast, integrable and reliable data and customizable farm management recommendations.

Innovation is an ongoing process for AgroCared and the key to develop game changing technologies. We combine innovative sensor technology with data mining and modelling. Our strength lies in data collection and the conversion of analytical data and sensor data into field and client specific recommendations.

Applications are key to our services. In combinations with our in-house developed monitoring tools, our apps provide the world's food producers with on-the-spot, fast, integrable and reliable data and customizable farm management recommendations. With our technology we are now able to perform soil, feed and leaf analysis. In the near future we want to be able to measure everything on a farm.



www.agrocared.com

EXCLUSIVE PRODUCTS



"Have no fear of perfection - you'll never reach it."

Salvador Dalí



Meteobot® is a reliable assistant – to you and to your agronomist. You no longer need to spend time and money scouting your fields every day. Now you can monitor the conditions there on your mobile device – in real time. Moreover, Meteobot® App provides you historical weather and soil data and 10-day weather forecast for your locations of interest. It enables you to make informed decisions about your crops and field activities.



Meteobot® App provides you with:

Current and historical data from weather stations, Local weather forecast for 10 days, Agronomic indicators such as rain sum, temperature sum, etc., Weather history for each field, Weather notification for frost, intensive rain, etc.

Meteobot® helps you control plant diseases. The weather data from your field or orchard can be automatically transmitted to disease models, which can generate forecasts for plant disease risks.

You can get answers to these questions by the Meteobot® Nitro precision fertilizing system. It takes into account the most important factors, affecting nitrogen uptake and respectively – the yield and grain quality:

Leaf chlorophyll, Rainfall, Soil moisture, Soil temperature, Air temperature, Wheat variety, Soil type and contents, On this basis, the system gives recommendations about the amount of nitrogen that is necessary to achieve the planned yield and grain quality with the minimum possible cost for nitrogen fertilizers.

www.meteobot.com



EXCLUSIVE PRODUCTS



"Have no fear of perfection - you'll never reach it."

Salvador Dalí



What is PADICARES

- PadiCares system is an integrated intelligent **Dynamic Decision Support System (DDSS)** for Malaysian rice farming activities.
- PadiCares provide a dynamic digital platform that simplify the complexity of rice production ecosystem by integrating AI, IoT and smart technologies.
- PadiCares is the 1st comprehensive agricultural digital platform for rice farm management in Malaysia integrating total components of precision agriculture which provide IR 4.0 agriculture digital platform of descriptive, predictive & prescriptive data to the stakeholders.



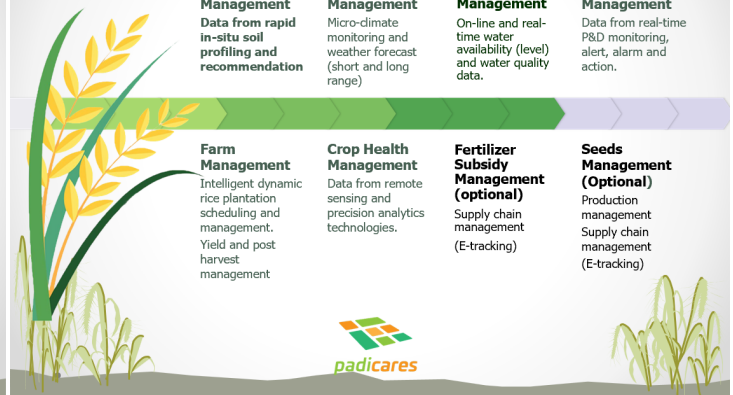
MAIN OBJECTIVES

- Increase efficiency of rice production management by reducing cost, energy, time and improve environmental quality.
- **PadiCares** is developed based on precision agriculture principle, models and the database utilization producing an integrated dynamic decision support system to the farmers.
- Improve rice production value chain by a systematic supervisory, control and traceability platform.
- Support the government agenda on IR 4.0 in agriculture for national food security and safety policies.



8 MAIN PADICARES SMART COMPONENTS

- Soil & Nutrient Management**
Data from rapid in-situ soil profiling and recommendation
- Weather Management**
Micro-climate monitoring and weather forecast (short and long range)
- Water Management**
On-line and real-time water availability (level) and water quality data.
- Pest & Disease Management**
Data from real-time P&D monitoring, alert, alarm and action.
- Farm Management**
Intelligent dynamic rice plantation scheduling and management. Yield and post harvest management
- Crop Health Management**
Data from remote sensing and precision analytics technologies.
- Fertilizer Subsidy Management (Optional)**
Supply chain management (E-tracking)
- Seeds Management (Optional)**
Production management Supply chain management (E-tracking)

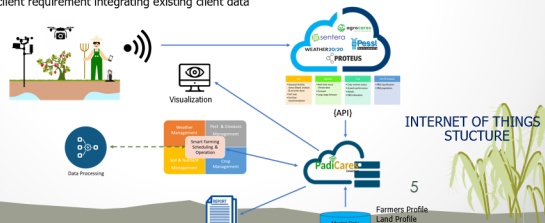


padicareS CONCEPT

Padicare is a smart solution incorporating precision agriculture practices, real time data monitoring, forecasts base on data analytic and artificial intelligent (AI) and provide yield and production analytic for sustainable rice production and optimisation of input and resources



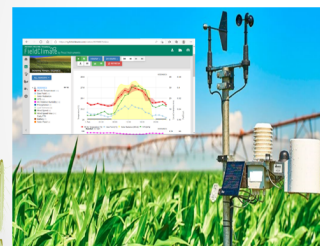
Padicare system is designed and developed based front-end and back end secured platform. The dashboard can be design to suit client requirement integrating existing client data



SMART WEATHER DATA MODULES

Padicare system monitor microclimate data continuously and help farmer in managing potential crop loss due to bad weather while long range weather forecast module will provide seasonal weather pattern and thus will assist stakeholder in overall planning and scheduling of paddy plantation

Micro-Climate Monitoring and Weather Forecast



February 2021 Trends Forecast		Kernas & Missouri	
High Temp Accuracies		Precip Accuracies	
Forecast	Actual	Forecast	Actual
100%	100%	100%	100%
90%	90%	90%	90%
80%	80%	80%	80%
70%	70%	70%	70%
60%	60%	60%	60%
50%	50%	50%	50%
40%	40%	40%	40%
30%	30%	30%	30%
20%	20%	20%	20%
10%	10%	10%	10%
0%	0%	0%	0%

EXCLUSIVE PRODUCTS



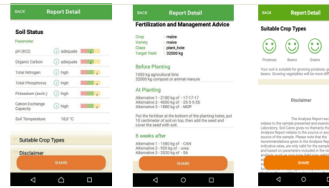
"Have no fear of perfection - you'll never reach it."

Salvador Dalí

SMART SOIL FERTILITY DATA MODULES

Padicares incorporated SoilCare near IR spectroscopy as sensor technology in soil fertility analysis combining with a global cloud calibration database and prediction models to convert spectral data into meaningful soil data. This state of art technology provide instant, on-the-spot monitoring of nutrients in soil, feed and crops. Based on AI and machine learning, Padicares can provide information on nutrient deficiency and fertilization recommendation to achieve targeted yield.

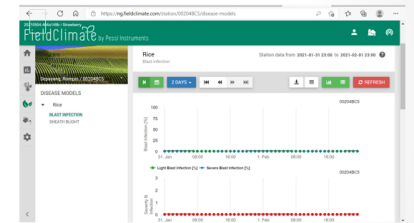
Rapid In-situ Soil Diagnostic Technology



SMART P&D DATA MODULE

Padicares pest and disease module will provide pest classification and population estimation. The system will provide control measure advisory and disease infestation prediction

Pest and Diseases Detection and Prediction



Current establish models: Blast and Sheath Blight

SMART IRRIGATION WATER MODULE

- Padicares provide water availability and quality management to ensure sufficient water before and during cultivation
- Online probe measurement will update Padicares system on water parameters quality and level.

Water Parameters



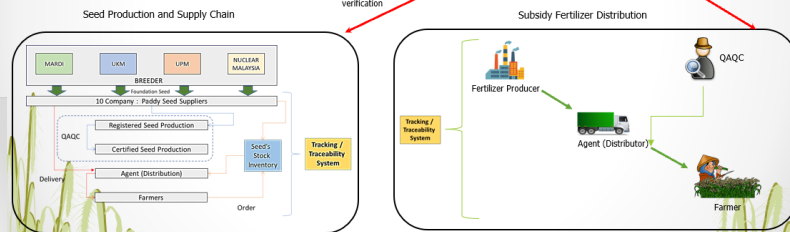
Real-time online water quality and water level monitoring

1. pH
2. Temperature
3. Turbidity
4. Conductivity
5. Salinity
6. Biological Oxidation Demand
7. COD
8. Total Suspended Solid
9. Total Organic Content
10. Dissolved Organic Carbon
11. Dissolved Oxygen
12. Ammonia

SMART INPUT SUPPLY CHAIN MANAGEMENT (optional module)

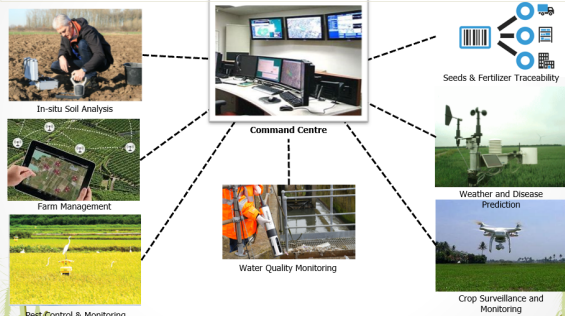
Padicares give option to stakeholder to intergrade existing seed production supply and fertilizer subsidy to optimize resources, provide traceability and transparency and ultimately reduced cost and wastages

IOT System Structure



padicares INTEGRATION

Padicares is design to maximize real time monitoring of overall farm management at control command center. In the event that a deviation of trend is noticed such as disease outbreak, severe weather pattern, a quick intervention can be plan and execute either by farmers or stakeholders



EXCLUSIVE PRODUCTS



ENVIRO
EXCELTECH

"Have no fear of perfection - you'll never reach it."

Salvador Dalí



DELIVERABLES



On-line Reporting

- Customizable report (Query)
- Standard analysis report (Statistics)
- Infographics report
- Report on-demand

Farm Management Module	•Dynamic Rice Check and scheduling •Growth stages determination	•Work order and tracking •Communication tools
Weather Management Module	•Real-time micro climate data •Long and short range weather forecast	•GDD calculation •Alarm and alert
Crop Health Module	•Crop Density •Crop N requirement Variability Map-MSI application of N fertilizer	•General Crop Health (NDVI and NDRE) •Management Zone Map
Pest and Diseases Module	•Pest classification and population estimation	•Control measure advisory •Disease infestation prediction
Soil and Nutrient Module	•Soil Nutrient Status and Variability Maps	•Soil Improvement Recommendation •Fertilization Recommendation
Inputs Supply Chain Management Module	•Just in time management •IC- tracking & traceability	•Quality Assurance Quality Control •Fertilizer & Seeds
Water Management Module	•Water quality monitoring •Irrigation management	• SCADA ready

EXPECTED OUTCOMES OF PADICARES IMPLEMENTATION

- Increase yield and farmers income
- Optimization of agricultural inputs and production cost
- Effective farm management – precision agriculture
- Minimize environmental impact on agriculture
- In-line with the National SDGs
- Implementation of data driven agriculture & AI
- Platform for future big data analytics
- Support national commitment to the UNFCCC



padicare.my

A New Era of Agriculture

Soil Analysis | Crop Analysis
Data Driven Fertigation
Smart Harvest

padicare



BUSINESS ALLIANCES & CLIENTS



Formal education will make you a living; self-education will make you a fortune.

Jim Rohn

Business Alliances

EETSB believes in partnerships or joint ventures in order to provide total solutions to fulfil the unique needs of our clients. For this reason **EETSB** has worked with various local companies with mutual understandings and benefits, in which will help us to grow together and **“Simply Serving Your Needs”**.

Clients



and many more will be on the list!

UNITED NATIONS UNIVERSITY
UNU-IIGH
(International Institute for Global Health)





ENVIRO
EXCELTECH

ENVIRO EXCELTECH SDN BHD



Simply Serving Your Needs

"The only true wisdom is knowing that you know nothing." Socrates