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Project Management at ABB Marine



Facts about ABB








- Headquarters: Zurich, Switzerland
- About 120,000 employees in about 100 countries
- Orders in 2007: \$34.3 billion
- Revenues in 2007: \$29.2 billion
- Listed on Stockholm, Swiss and New York exchanges; traded on SWX Europe

- A leading power and automation technology company with strong market positions in core businesses
- We help our customers:
 - to use electrical power efficiently
 - to increase industrial productivity
 - to lower environmental impact in a sustainable way

ABB: divisional structure and portfolio

2007 revenues (US\$) and employees per division

				
Power Products	Power Systems	Automation Products	Process Automation	Robotics
\$9.8 billion 32,000 employees Transformers, high- and medium-voltage switchgear, breakers, automation relays	\$5.8 billion 14,000 employees Substations, FACTS, HVDC, HVDC Light, power plant and network automation	\$8.6 billion 33,000 employees Low-voltage products, drives, motors, power electronics, and instrumentation	\$6.4 billion 26,000 employees Control systems and application-specific automation solutions for process industries	\$1.4 billion 5,000 employees Robots, peripheral devices and modular manufacturing solutions for industry

- Market-leading positions in most key product areas
- Integrated solutions for grid reliability, productivity and energy efficiency
- Robust global value chain to serve established and emerging markets
- Extensive global network of value-added channel partners

Marine systems and solutions

Electric Propulsion



A complete range of AC electric propulsion and thruster systems:

- Shaftline propulsion
- Azipod® propulsion systems
- LV & MV drives
- Propulsion control

Azipod® Propulsion



The electric azimuthing podded propulsion systems:

- Power range exceeds 20 MW
- Single and twin configurations
- Adapted to a wide range of vessels
- Ice going and ice breaking designs

Power Generation and Distribution



A wide selection of medium and low voltage systems:

- Generators and AVR
- LV & MV Distribution switchboards
- Control, monitoring and protection
- Transformers
- Clean power supplies and UPS

Onboard Drives



A full range of AC and DC variable speed drives:

- Covering wide range of power and voltage
- Single drive and multi drive platforms
- Drive control
- A complete range of offshore drilling drives

Project Management Process



Project Manager's Interfaces

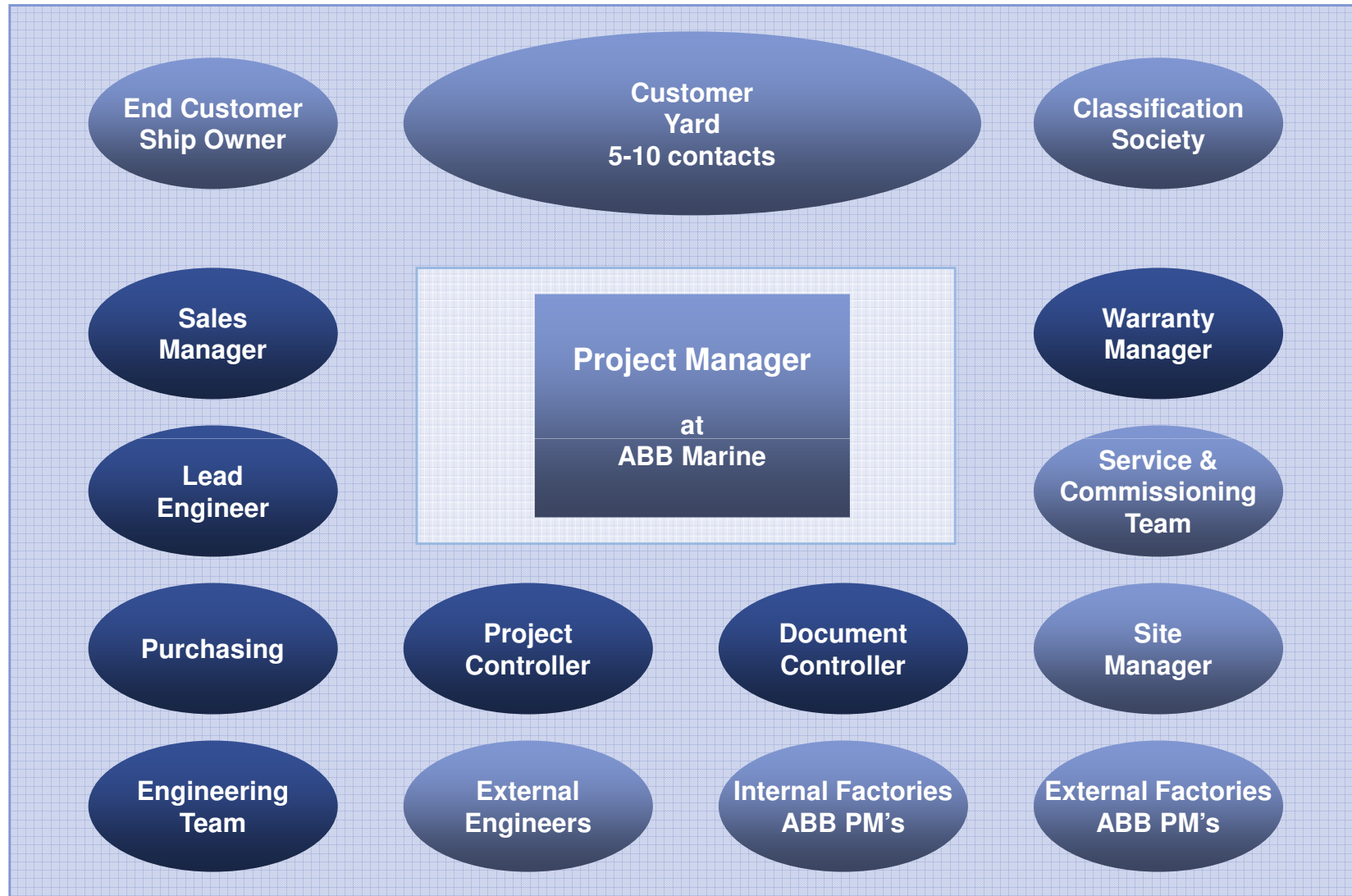


ABB PM Competence: Training Program

= eLearning
 = F2F only
 = Assessment

Minimum Experience:

Program entry point dependent on self-assessment & management assessment based on PM competency model.

Local/Business required additions, where applicable

ABB Project Risk Management Training
 Mod 1: pre-reading, Mod 2: 1 ½ d F-2-F training, Mod 3: Certification (H5 eLearning)
 or
 another advanced PM course, if ABB Project Risk Mgmt. Training has been already completed

Certified Company Sr. PM

10 years, international projects > e.g. 50 M\$ (largest ABB complex projects)

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ABB Certified Sr. PM

6 year, 2 international projects e.g. > 15 M\$ or high complexity

Project Management Applications – 4 d

ABB Certified PM

3 year, 3 projects **Mandatory**

ABB Project Risk Management Training
 Mod 1: pre-reading, Mod 2: 1 ½ d F-2-F training, Mod 3: Certification (H5 eLearning)

ABB/PMP® Certified PM

Project Leadership, Management and Communication -3 d *

Project Planning, Analysis and Control – 4 d **

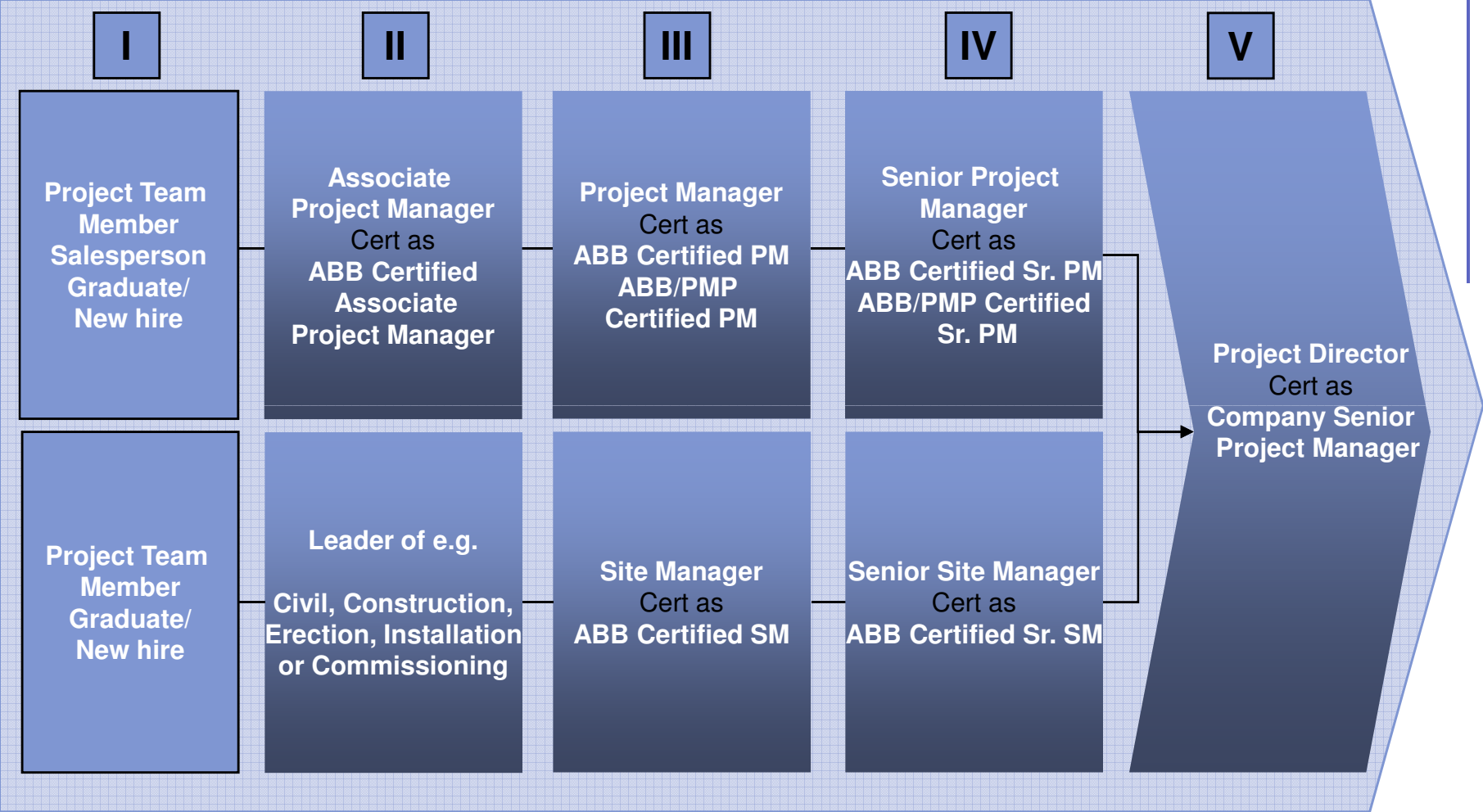
ABB Certified Associate PM
 (For low complexity domestic projects)

1 year, 2 projects

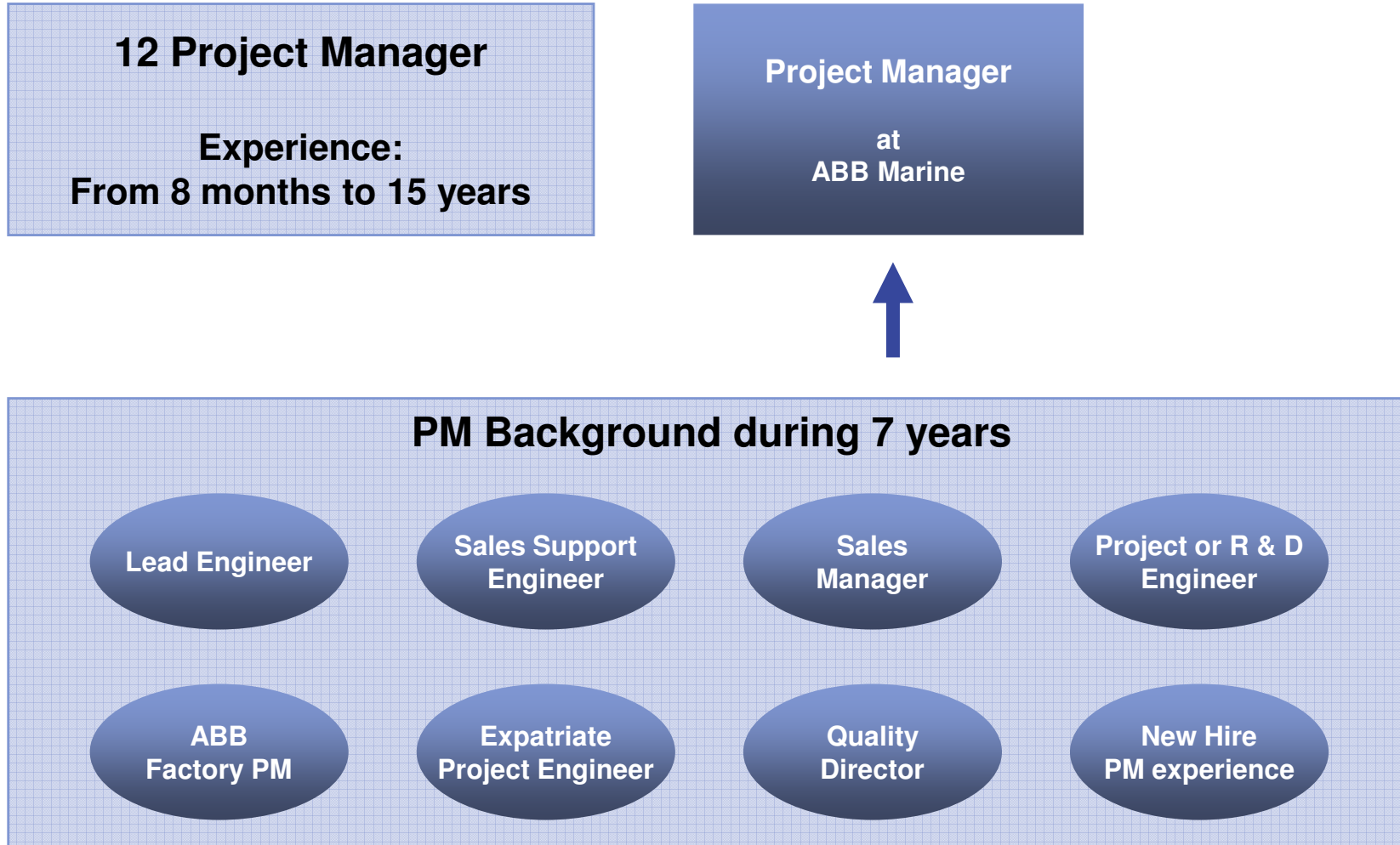
ABB PM Process ABB Commercial Training – H5 Health & Safety



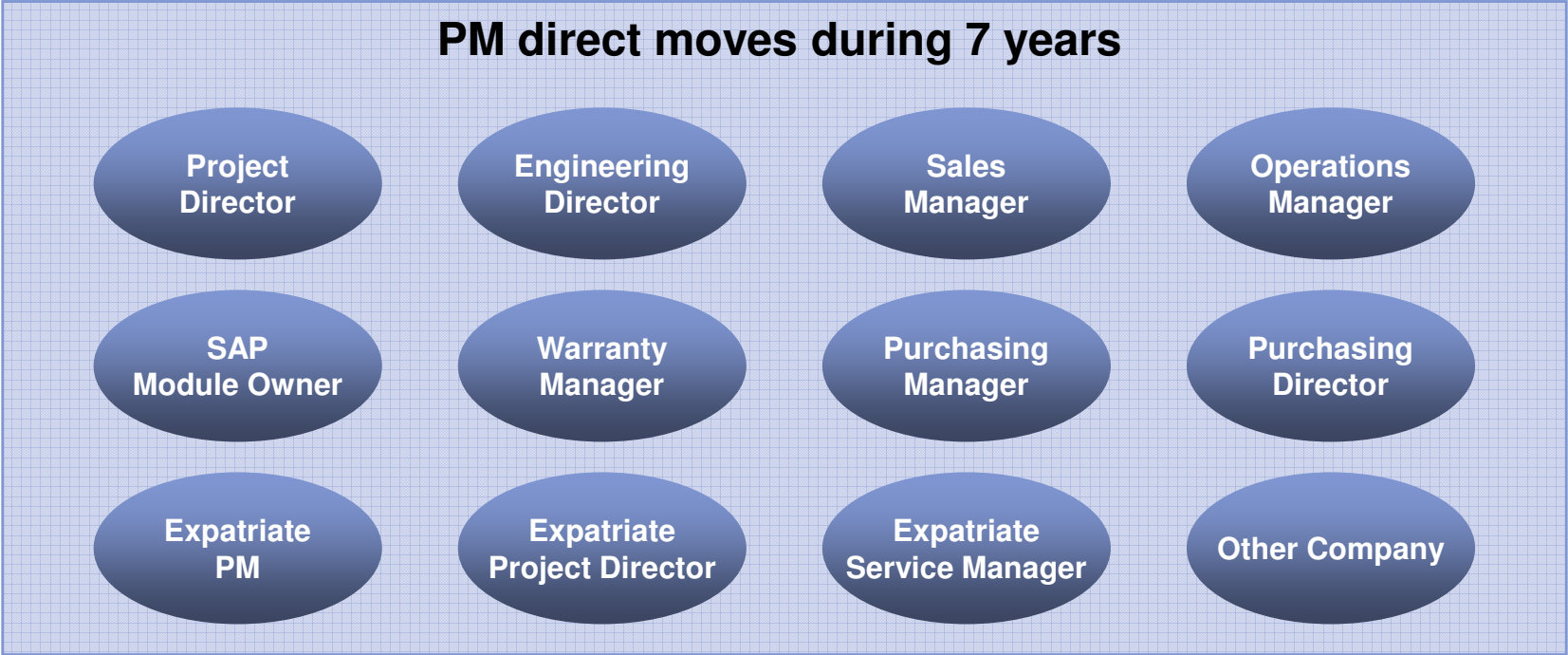
Career Model - Project and Site Manager



Background of ABB Marine Project Managers



Career Opportunities ...



Project Manager
at
ABB Marine



Conclusions



PM is not a career, but only one step

- Especially with highly educated young PM's.
- Probability to stay as PM rises after 10 y.

PM does not mean anything as profession

- ABB Marine has hired only ready PM's as new hire.
- Huge variation with experience and knowledge.
- Very little training background.
- ABB must have strong training program for PM