Engineering Insurance Premium and Loss Statistics 2015 - 2017

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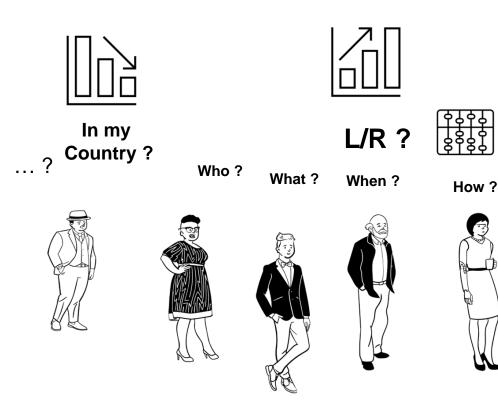


The International Association of Engineering Insurers

presented by Dieter Spaar, IMIA

3rd to 5th September 2018 Singapore

IMIA Statistics <u>from members</u> 2015 - 2017





Sir Winston Churchill

"I only believe in statistics that I doctored myself"

We appreciate input

Development of Engineering Premium 2015 – 2017 Reporting standards all IMIA Members – What do we expect

IMIA Stats: Statistical Basis (Trend / Country only)

→ 'Premium Written'

i.e.: Written = Booked ≠ Farned Earning pattern vary from "country to company"

→ 'Claims Incurred'

Obstacles:

Obstacles:

i.e.: Claims CY* + Runoff PY** + IBNR*** **Business Year Losses only**

incl./excl. run-off (ultimate) resp. IBNR

* CY - Current Year ** PY - Previous Year - Incurred but not reported ***IBNR

to IIVIA differ per country

Development of Engineering Premium 2015 – 2017 Reporting standards all IMIA Members – What we (can) deliver



Focus: **Obstacles:**

- differ per country All Engineering / Construction Business (Projects, Operation, IDI)
 - Direct GWP only; IP / Int'l fac is left out;
 - Some just one LoB (e.g.: USA: MB only)
 - Limited Info from regions not covered like:
 - Middle East, North-Africa \rightarrow no individual country report
 - South America

 \rightarrow Brazil only

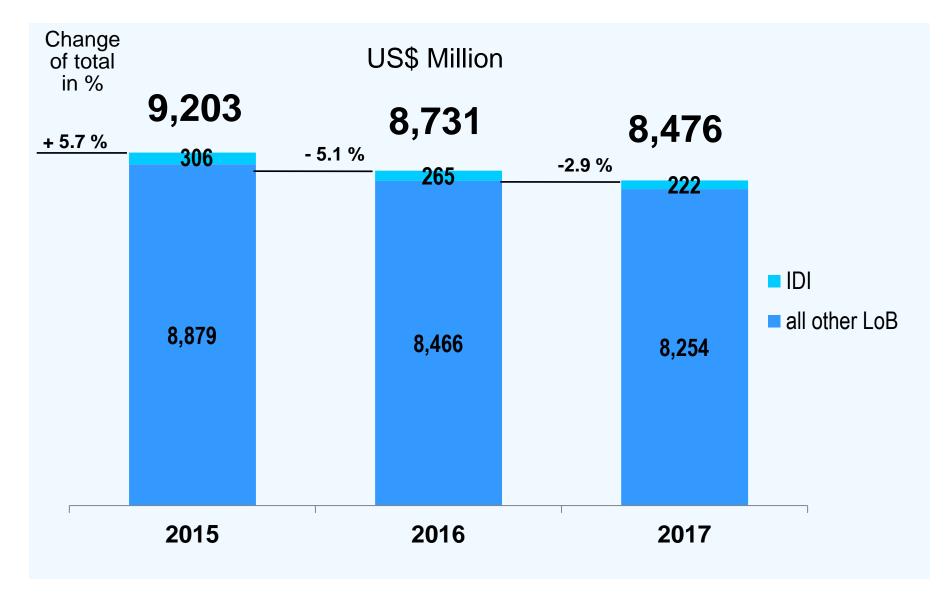
→ Large Losses from some regions left out

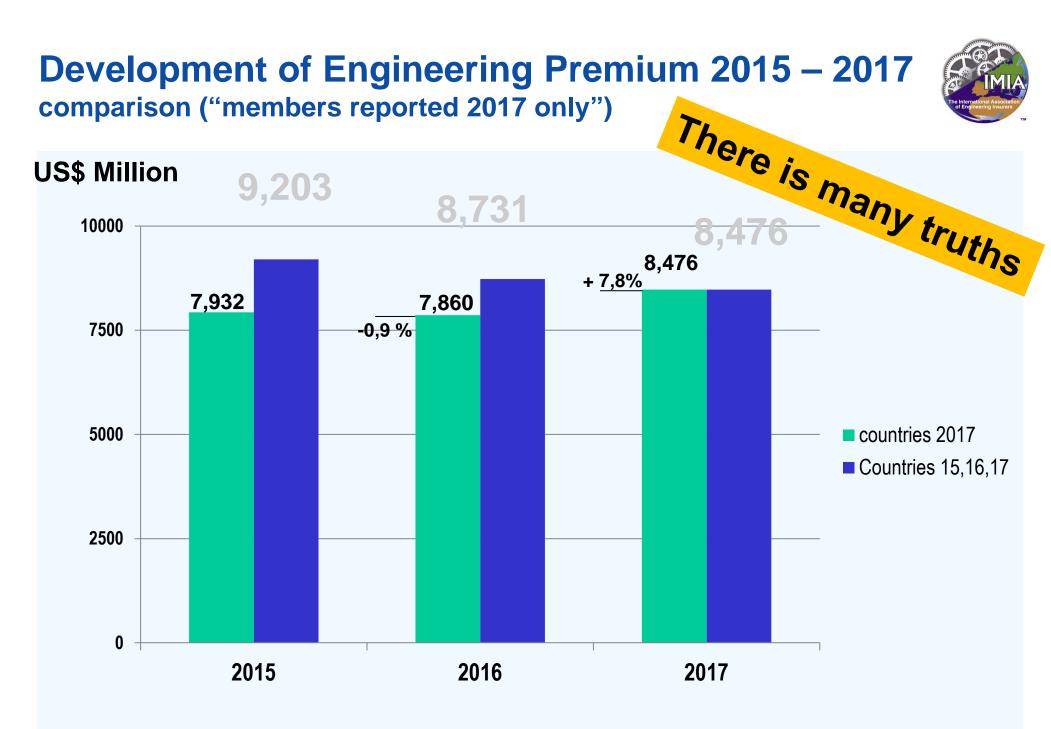
e.g.: xs US Mio. 300 each ?!!?

- USA: Builders Risk (HIM)
- Middle East: Sandstorm damaged CCPP
- Morocco: Coal Fired PP
- Australia : LNG Claims
- Columbia: Chirajara Bridge, Ituango (2018)
- Laos Dam break (2018)
- etc.

Development of Engineering Premium 2015 – 2017 all IMIA Members ("reported")

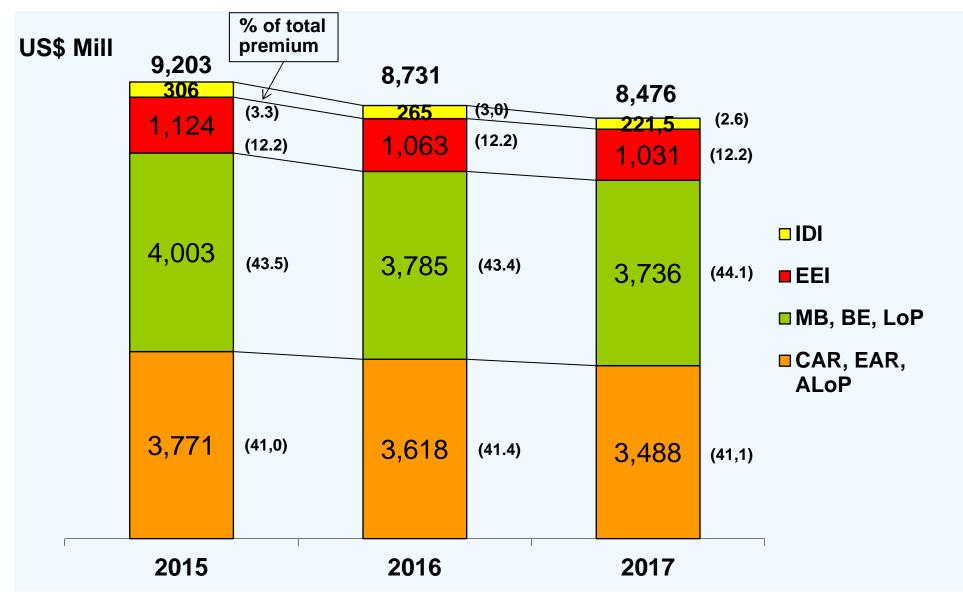




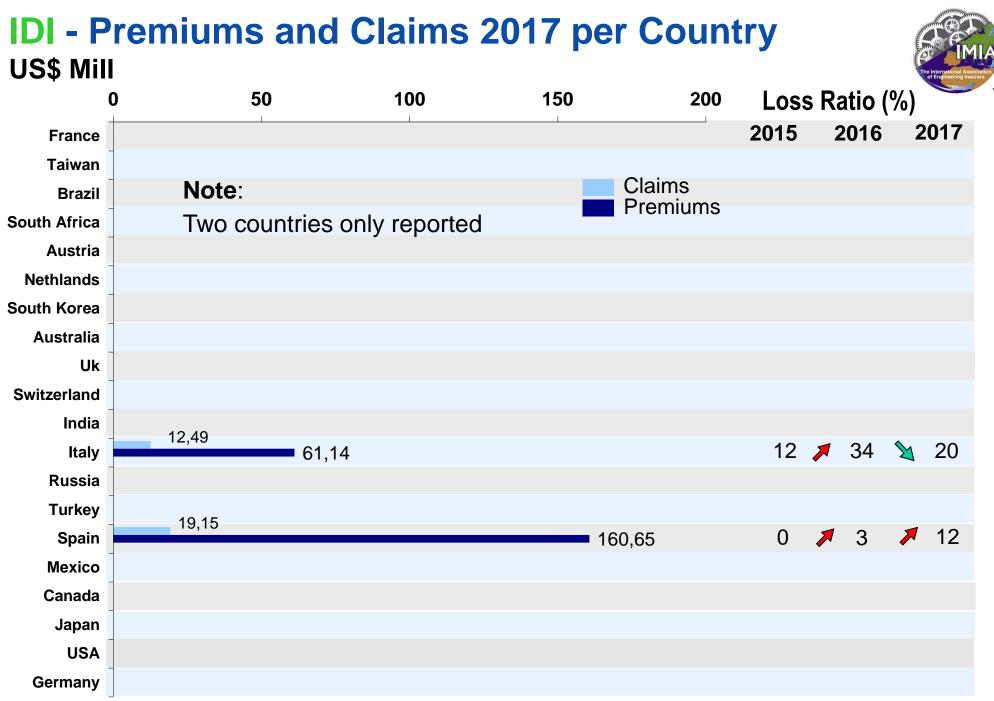


Development of Premiums 2015 – 2017 per Line of Business



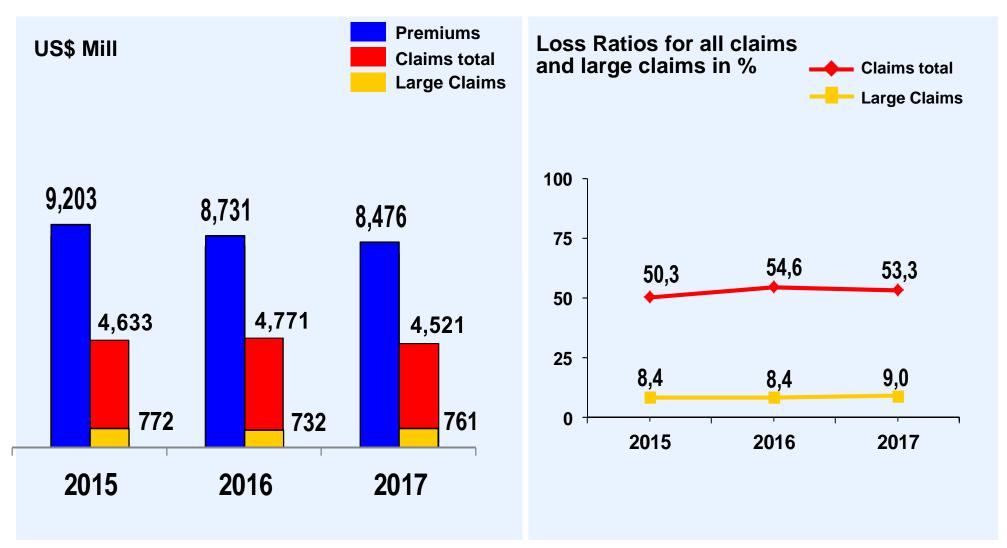


	iums and Clai	ms 2017	per Country (xcl. IDI) Loss Ratio			
US\$ Mi	0 500	1000	1500				Tero	
Brazil	85,09				016	20 ⁷		
Taiwan	129,13			60 →			43	
South Africa	· ·			78 🌂			39	
	177,15			36 🗡	41		25	
Austria	209,73		Claims	63 🛬		•	53	
South Korea	215,08		Premium	-		2	45	
UK	238,65 in 2016			35 🗡	49	-	-	
Australia	273,5			53 🗡	64	X	83	
India	347,26			41 🗖	47	•	50	
France	348,58			45 🌂	37	7	50	
Switzerland	353,36			53 🌂	50		50	
Netherlands	371,34			56 🎵	91	Σ	62	
Italy	428,07			55 📕	73	7	80	
Mexico	498,71	in 2016		24 🞵	53		-	
Russia	499,62			50 뉯	34	\mathbf{M}	16	
Turkey	506,61			108 📕	109	⊰> 1	13	
Spain	570,3	27		29 🛪	30		47	
Canada	·	1,74		33 🕥		× M	21	
Japan		7 53,96		62 🗶	72		38	
USA				28			36	
		762,04	1	.814 67 🗡	69	•	70	
Germany					03	<.		



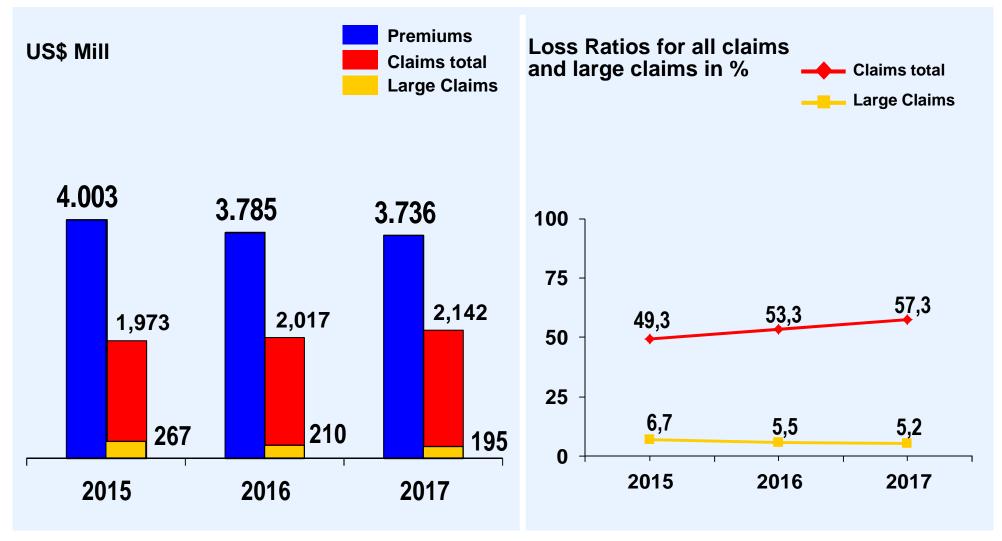


Premiums / Claims / Large[®] Claims – Total Amount Loss Ratios – all Lines of Business (LoB) 2015 - 2017



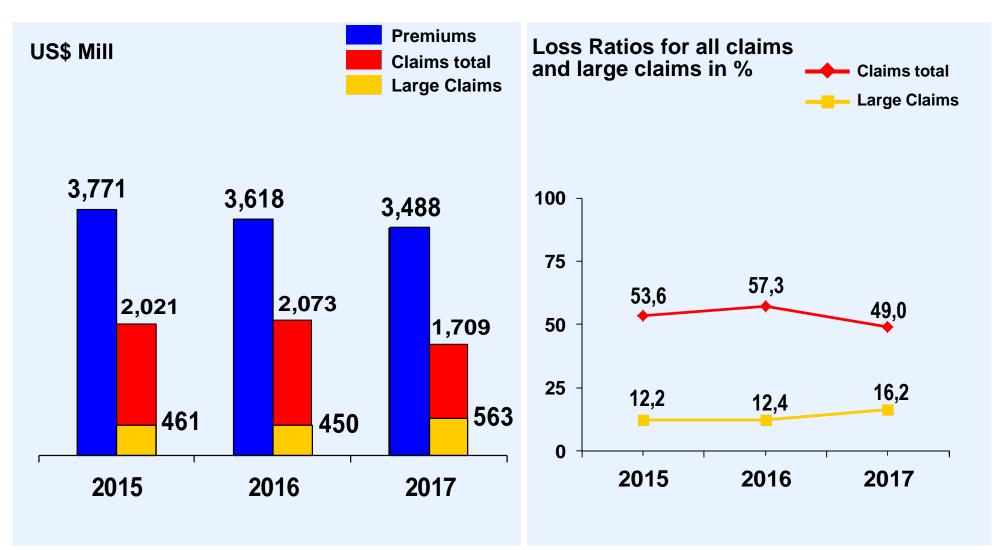


Premiums / Claims / Large^{*)} Claims Loss Ratios – MB, BE, LoP, O 2015 - 2017



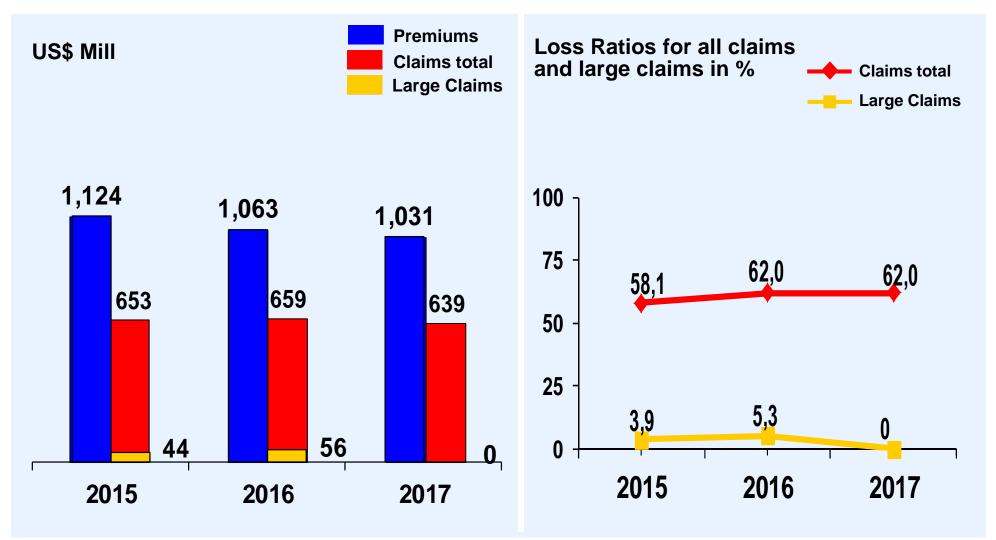


Premiums / Claims / Large^{*)} Claims Loss Ratios – EAR, CAR, ALoP 2015 – 2017



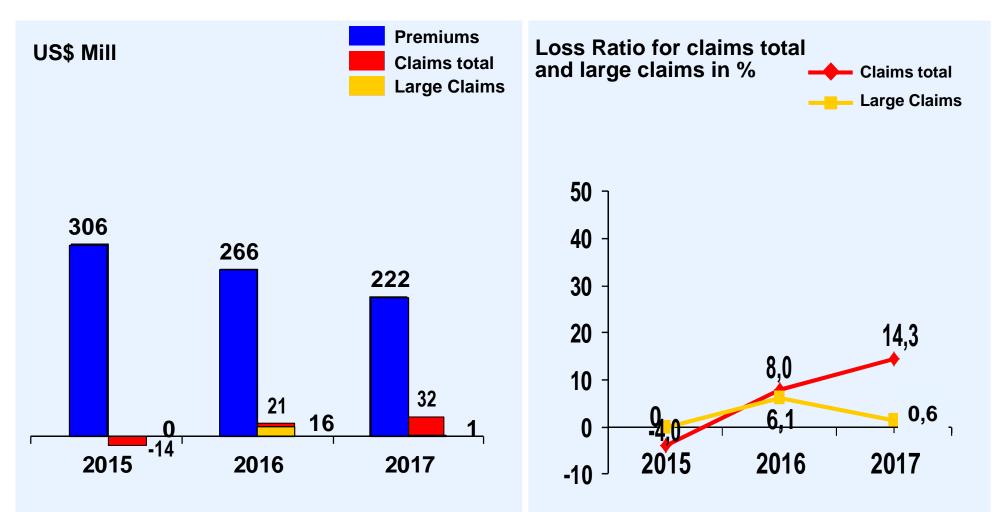


Premiums / Claims / Large^{*)} Claims Loss Ratios – EEI 2015 - 2017



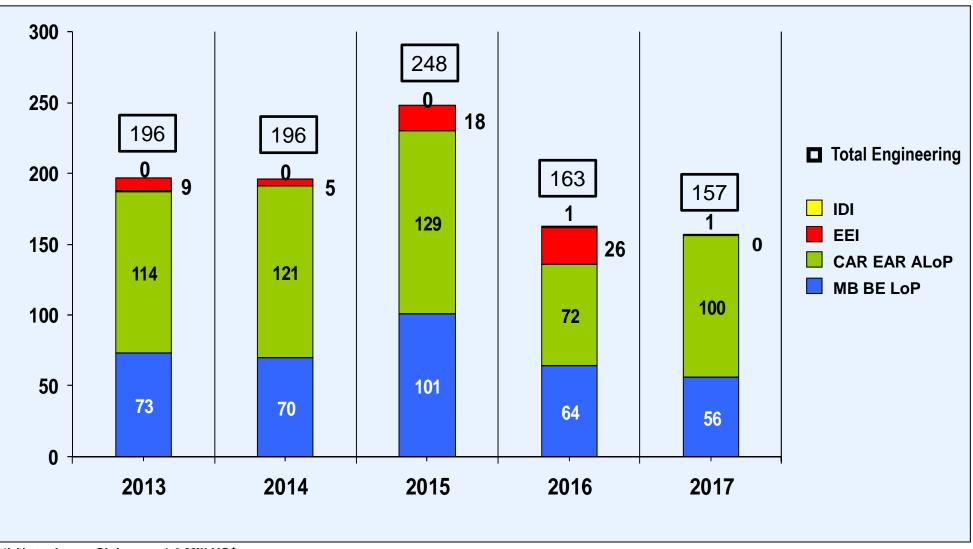


Premiums / Claims / Large^{*)} Claims Loss Ratios – IDI 2015 - 2017

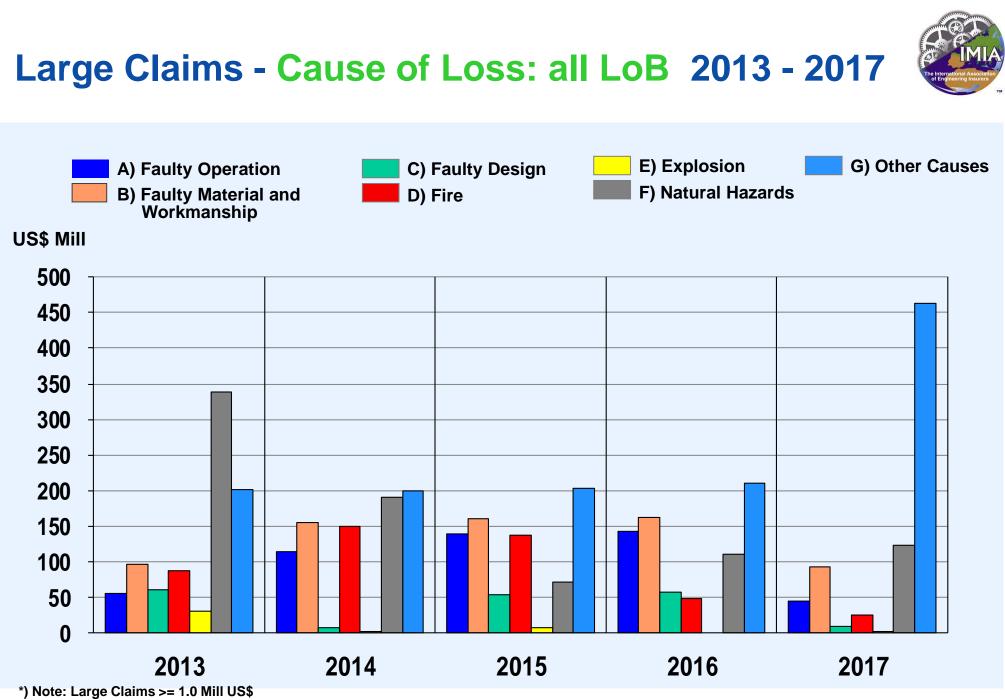




Number of Large Claims per LoB 2013 - 2017

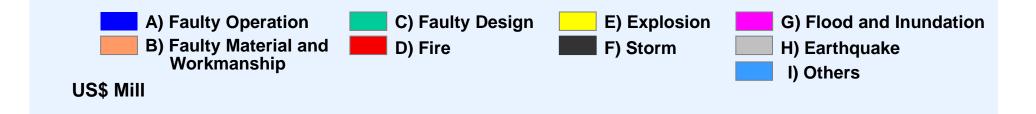


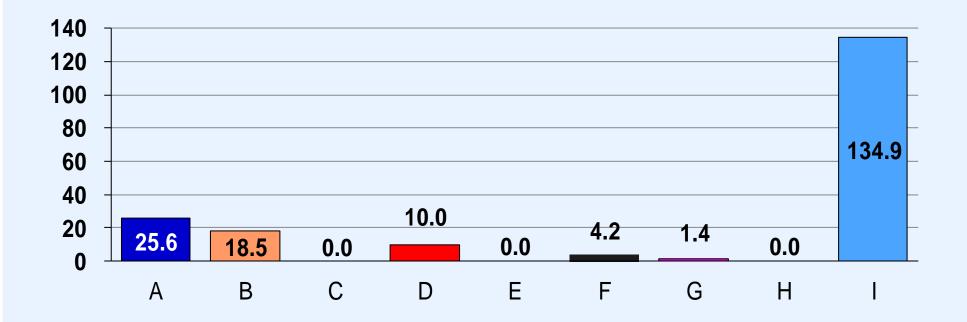
*) Note: Large Claims >= 1.0 Mill US\$





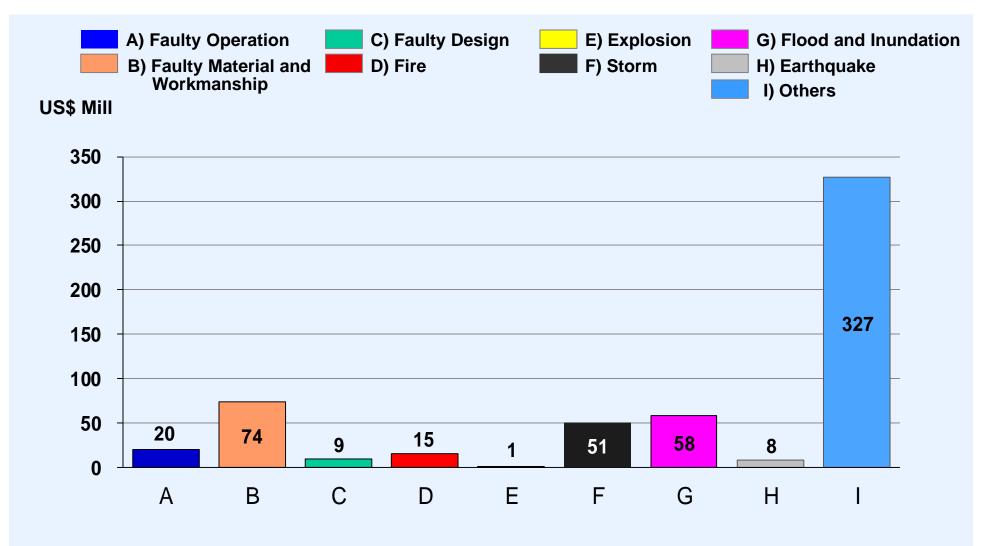
Large Claims - Cause of Loss: MB, BE, LoP, O 2017





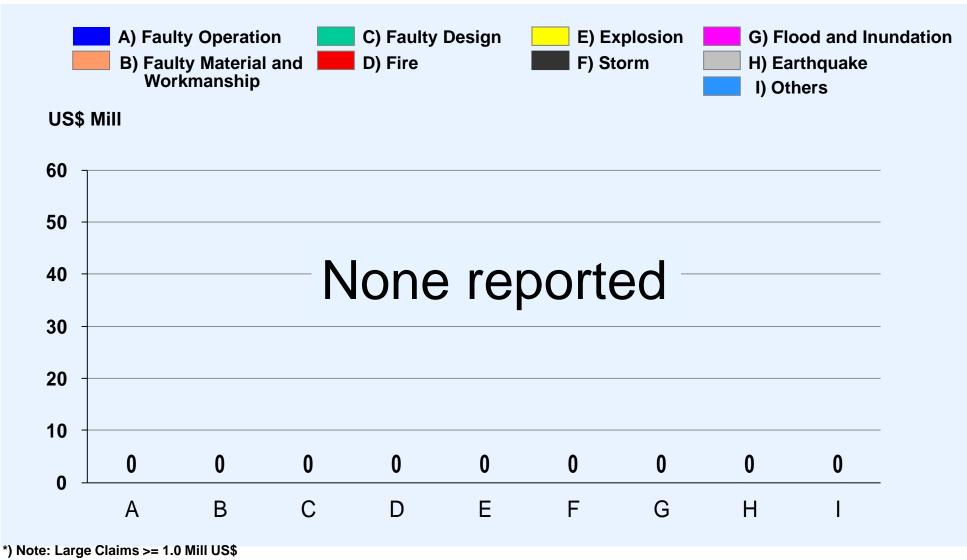


Large Claims - Cause of Loss: EAR, CAR, ALoP 2017

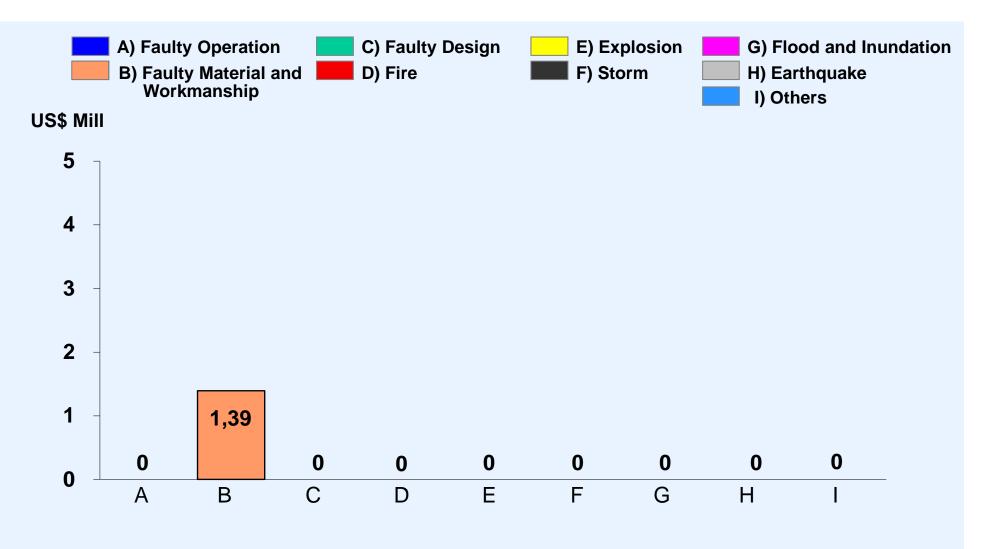




Large Claims - Cause of Loss: EEI 2017



Large Claims - Cause of Loss: IDI 2017





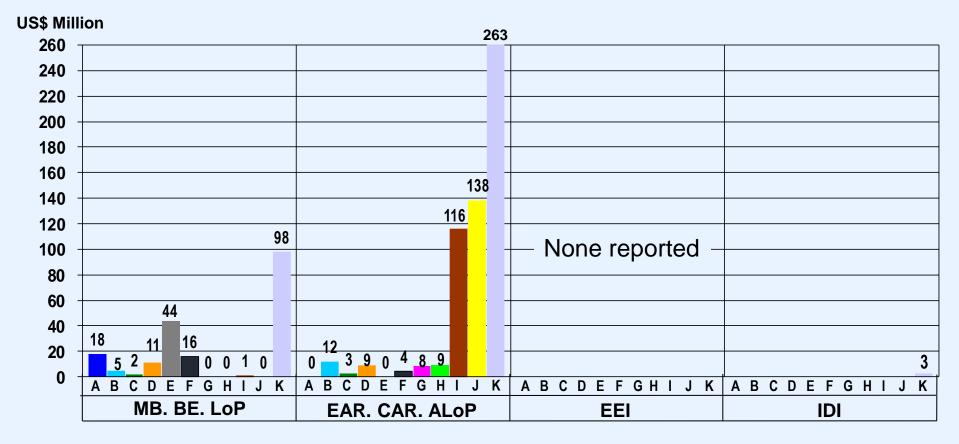


Large Claims – Main Items affected per LoB 2017

- A) Turbo Generator Sets
- B) Boilers and Pressure Vessels
- C) Compressors and other mechanical plants
- D) Electrical Machines and Equipment

- E) Production Machinery and Process Equipment
- F) Lifting and Transportation Equipment
 - G) Chemical Plants

- H) Electronic Equipment
- I) Civil Engineering Works
- J) Erection of Plants
- K) Other Property



IMIA Stats 2015-2017

"Democracy is the worst form of government except for all those who have been tried"

IMIA Statistics

We appreciate input



Key to the abbreviations

ALoP	Advance Loss of Profits (DSU)
BE	Boiler Explosion
CAR	Contractor's All Risks
EAR	Erection All Risks
EEI	Electronic Equipment Insurance
IDI	Inherent Defects (Decennial) Insurance
LoB	Line of Business
LoP	Loss of Profits (MLoP)
MB	Machinery Breakdown
0	Others (Operational, CPM)

Please note

All figures are based on information supplied to IMIA by its Member countries. It should be borne in mind that these figures may not always contain IBNR provisions, and that premium patterns may vary between reporting member countries and companies.

Inherent Defects Insurance (IDI), also called Decennial Insurance in French speaking countries, is written only in a few countries. It is a compulsory class of business in some of these. Due to the different legal situation and others specifics, the scope of cover varies greatly from country to country. Therefore any attempt to make comparisons is very difficult and may lead to wrong conclusions.

Since IDI contracts grant cover for material damage caused by latent defects for a period of (usually) ten years as from completion of the contract works, special attention needs to be given to the issue of premium earning patterns during the policy duration. These patterns vary considerably from country to country and are even regulated in some of them by the insurance supervisory body. IMIA is not in a position to reflect the various regulations governing the administration of this line of business in the various countries nor can IMIA validate the method used by its members in establishing their figures.

Therefore IMIA recommends to adopt particular care when drawing conclusions from premiums, claims figures and loss ratios reported herein especially in respect of IDI. For further details it is recommended to contact the IMIA-delegate from a particular member country to obtain more accurate information on the particulars of a specific line of business in his country.

